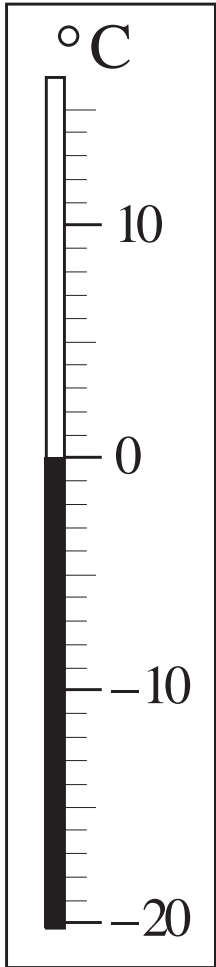
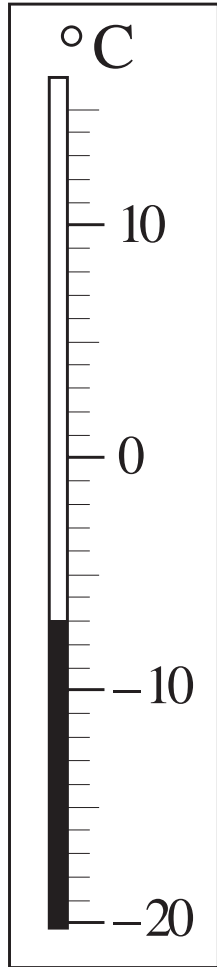


1 sheet per pupil. Ps colour and label appropriately.

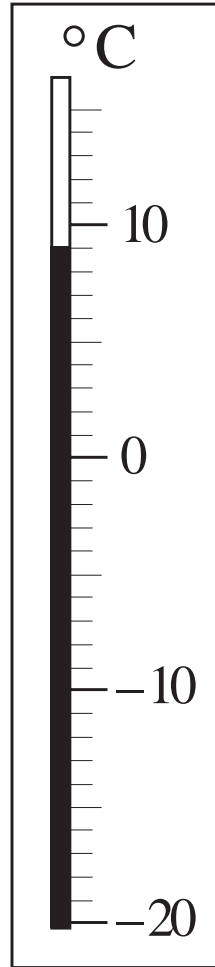
a)

 °C

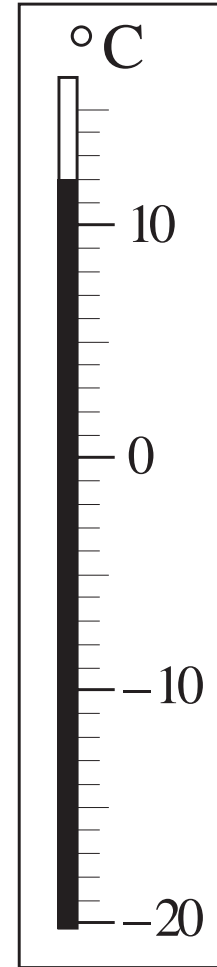
b)

 °C

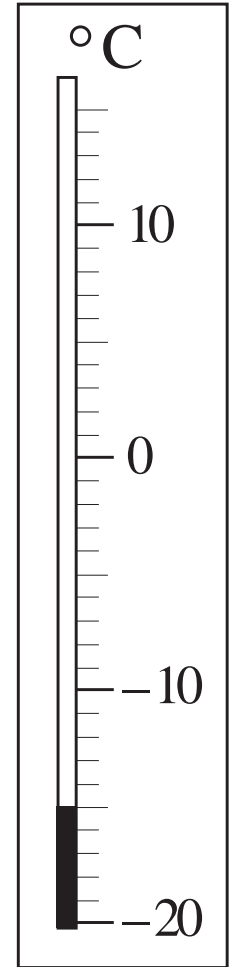
c)

 °C

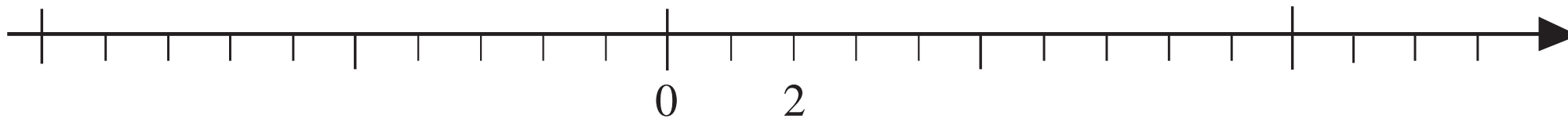
d)

 °C

e)

 °C

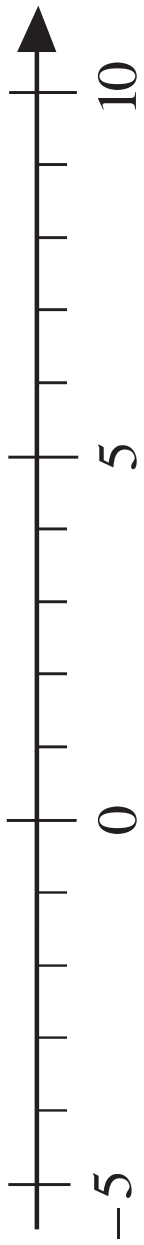
a) $-7, +1, 0, 6, -5, -3, +10, 11$



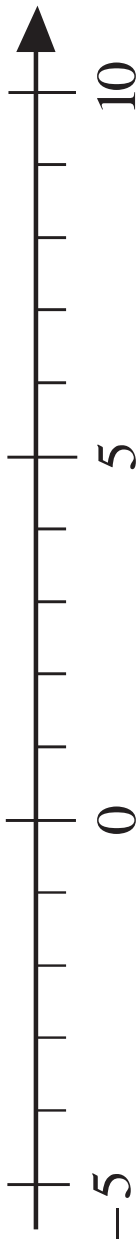
b)

-7	\bigcirc	$+1$	0	\bigcirc	-5	-5	\bigcirc	-7	-7	\bigcirc	-5
-5	\bigcirc	0	11	\bigcirc	0	6	\bigcirc	-3	6	\bigcirc	$+10$
-7	\bigcirc	-3	11	\bigcirc	6	0	\bigcirc	-5	-3	\bigcirc	$+10$

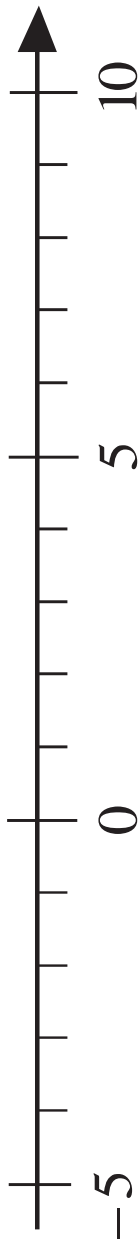
a)



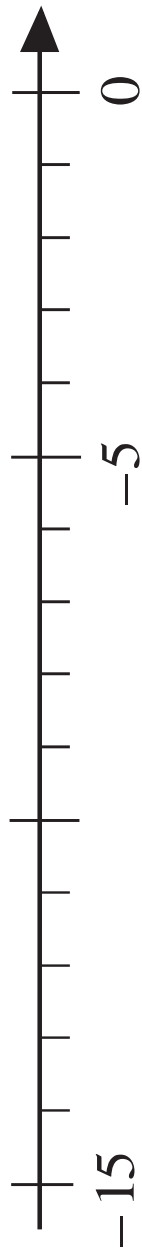
b)



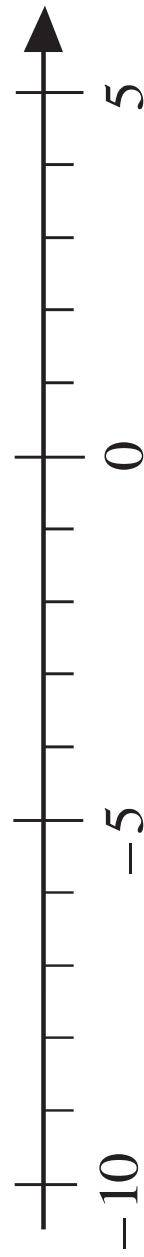
c)



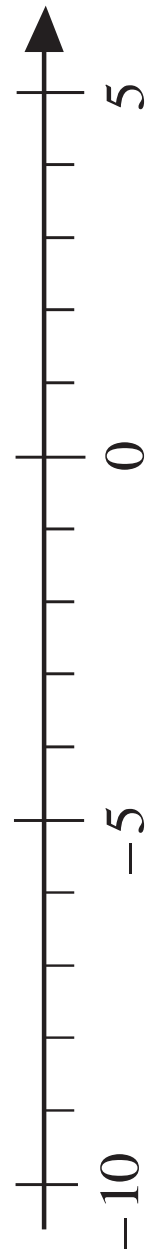
d)

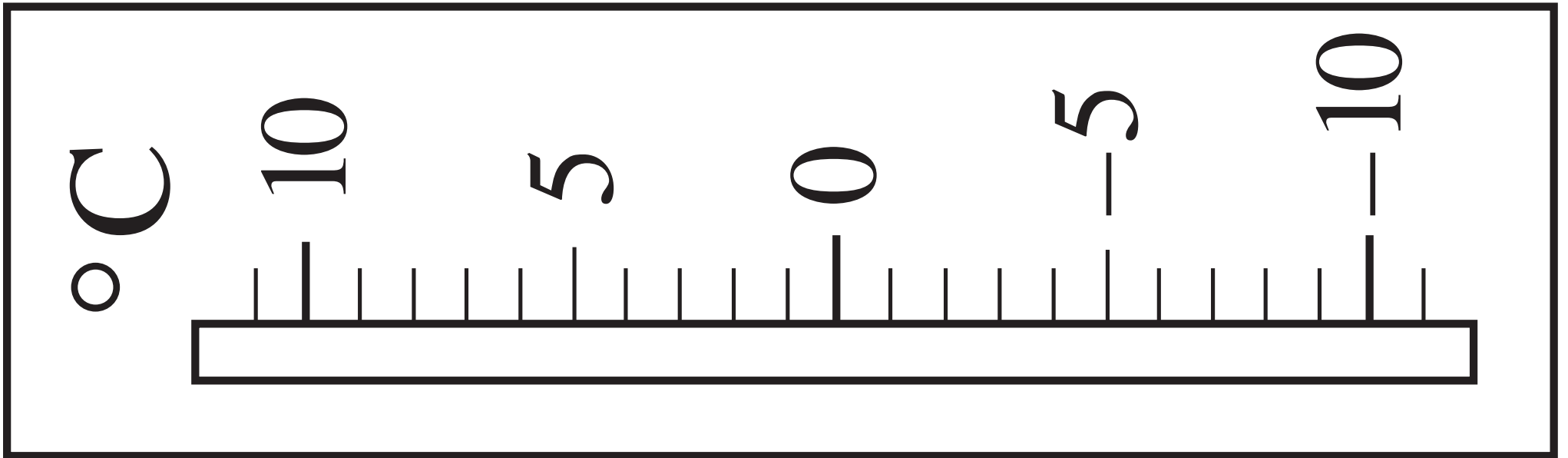


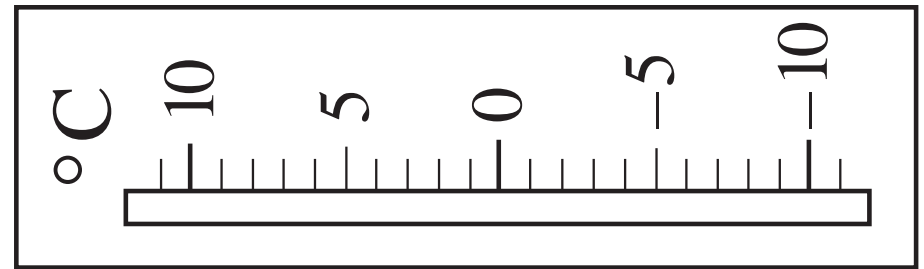
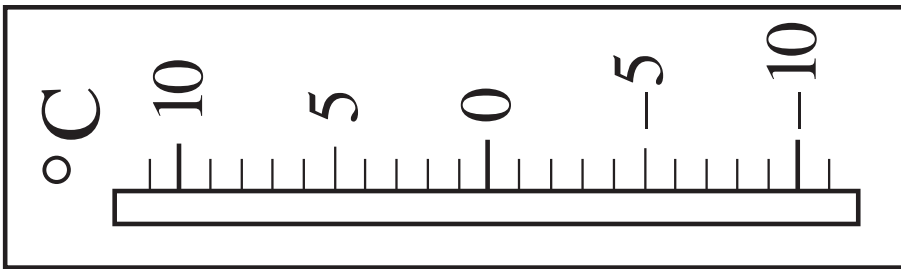
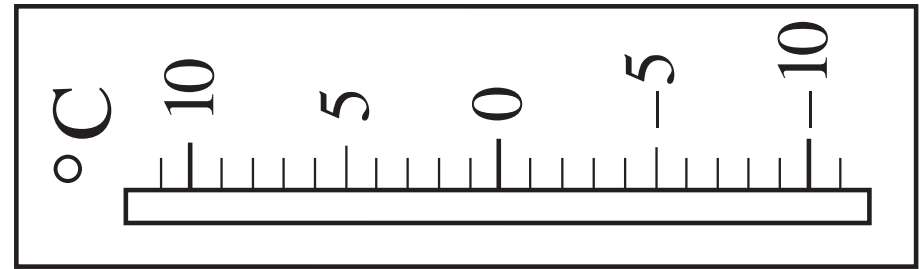
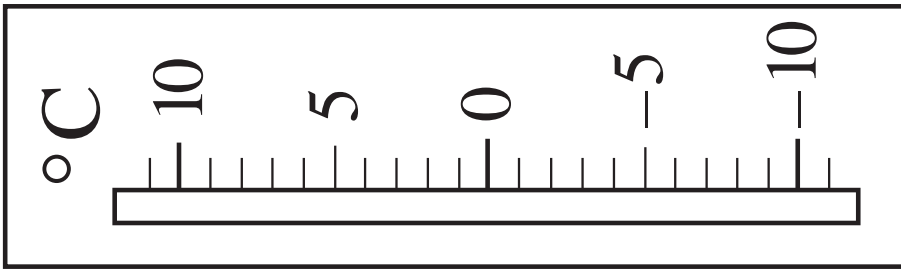
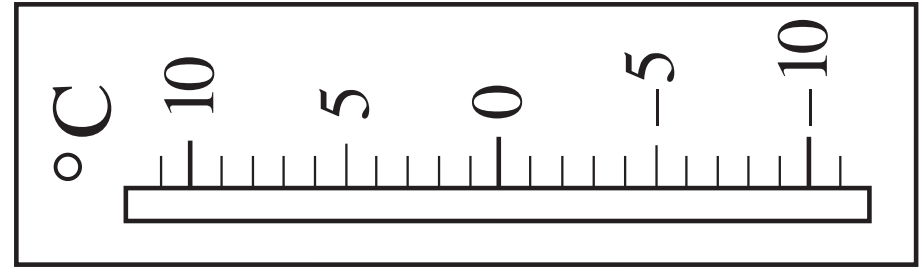
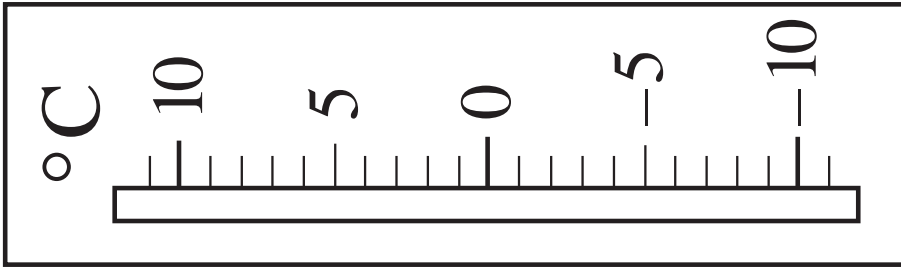
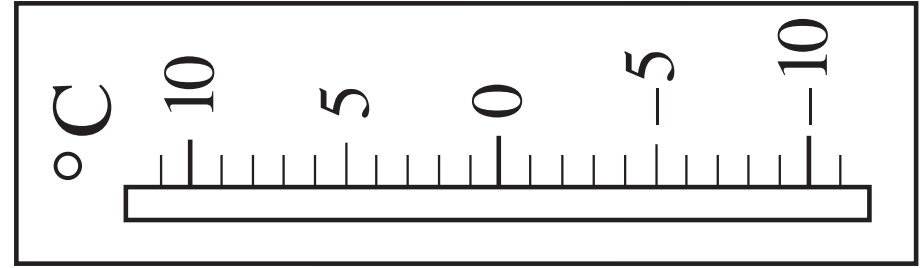
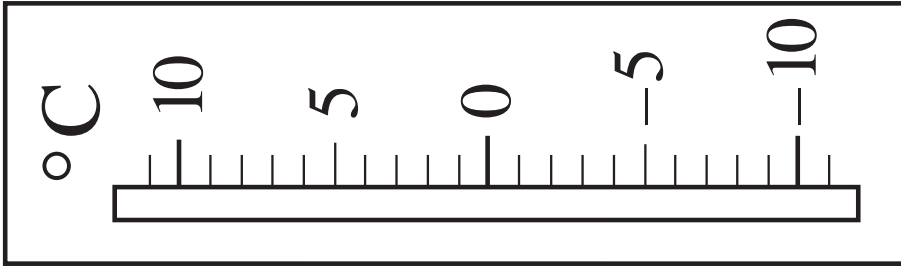
e)



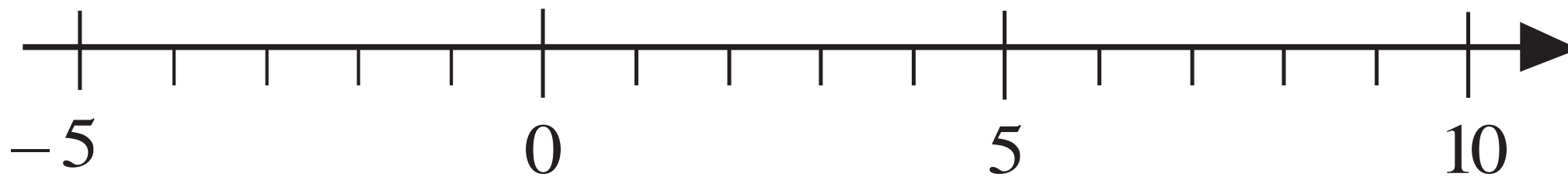
f)



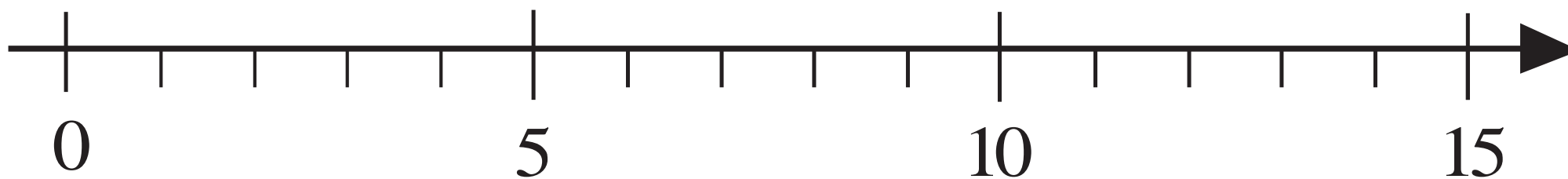


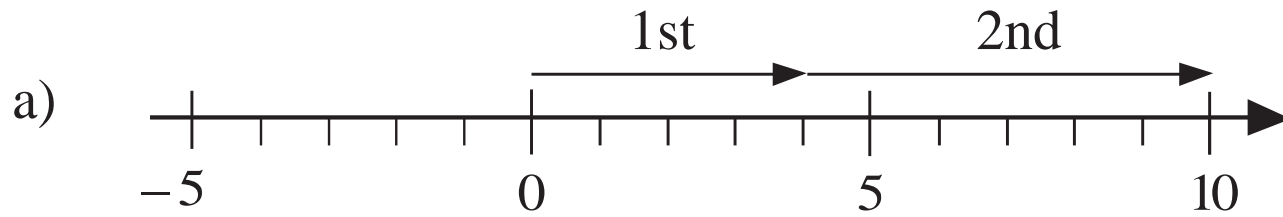


a)

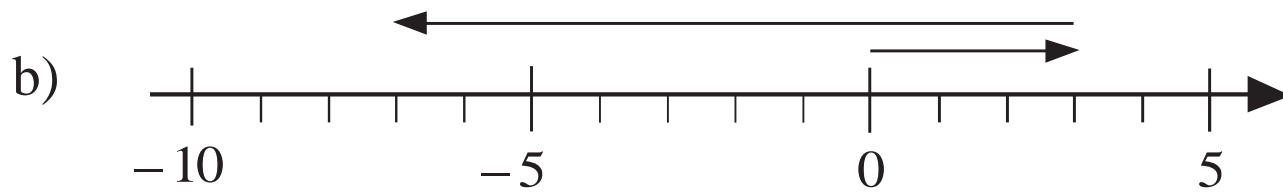


b)

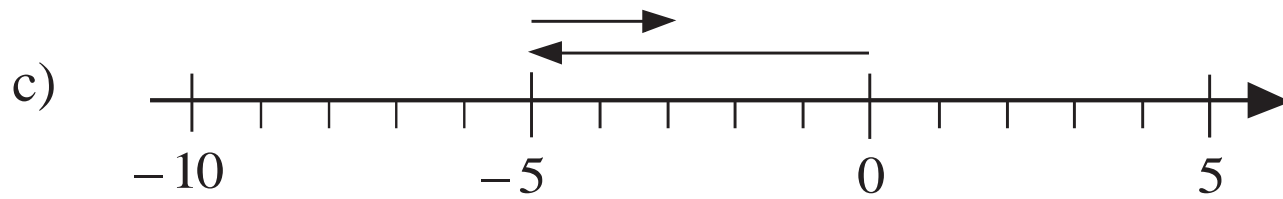




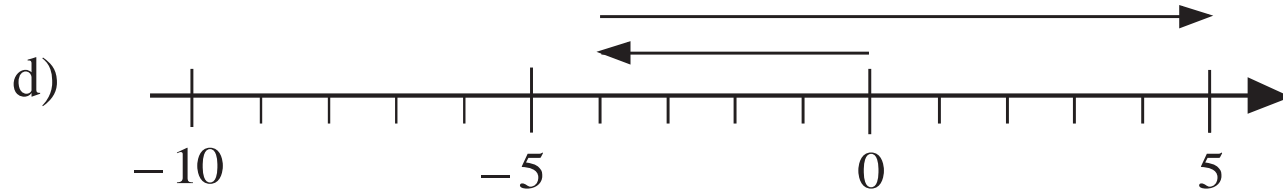
.....



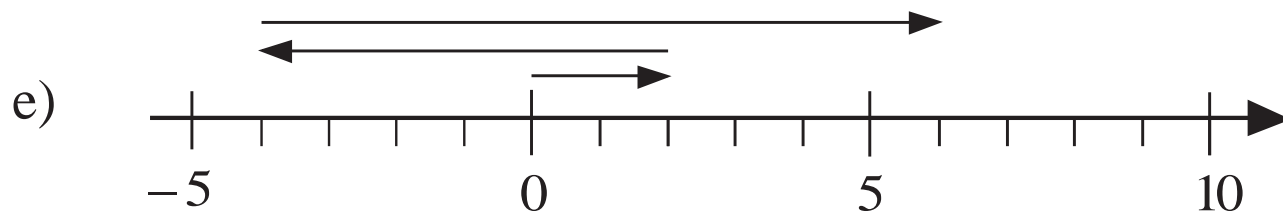
.....



.....



.....

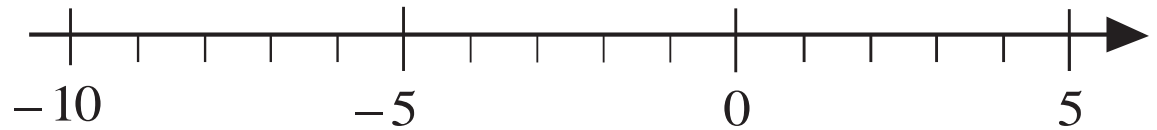


.....

a) $5 + \boxed{} = 9$



b) $-7 + \boxed{} = -9$



c) $\boxed{} + (-3) = -10$



d) $-3 + \boxed{} + (-5) = 2$



e) $5 + (-3) + \boxed{} = 0$



f) $3 + (-5) + \boxed{} = 6$



a) $\begin{array}{cccccccccccc} \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} \\ \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \end{array}$

.....

b) $\begin{array}{cccccccccccc} \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & & & & \end{array}$

.....

c) $\begin{array}{ccccccc} \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} \end{array}$

.....

LP 53/5

a) $\begin{array}{cccccccc} \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ & & & & & \boxed{-1} & \boxed{-1} & \boxed{-1} \end{array}$

.....

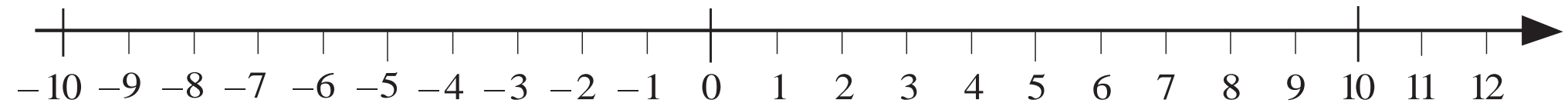
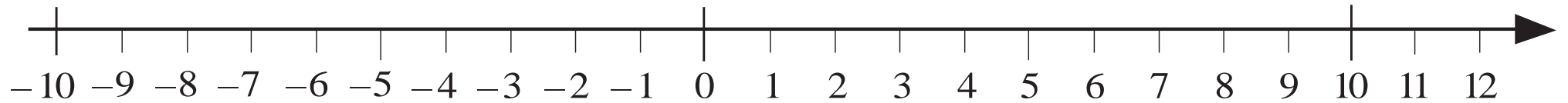
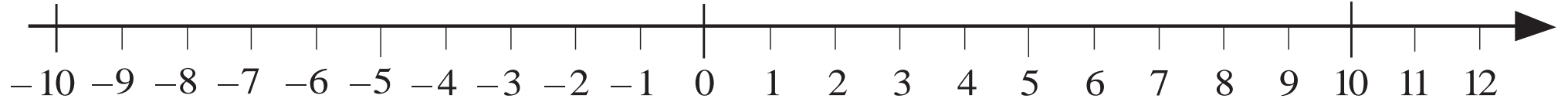
b) $\begin{array}{cccccccc} & & & & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} \end{array}$

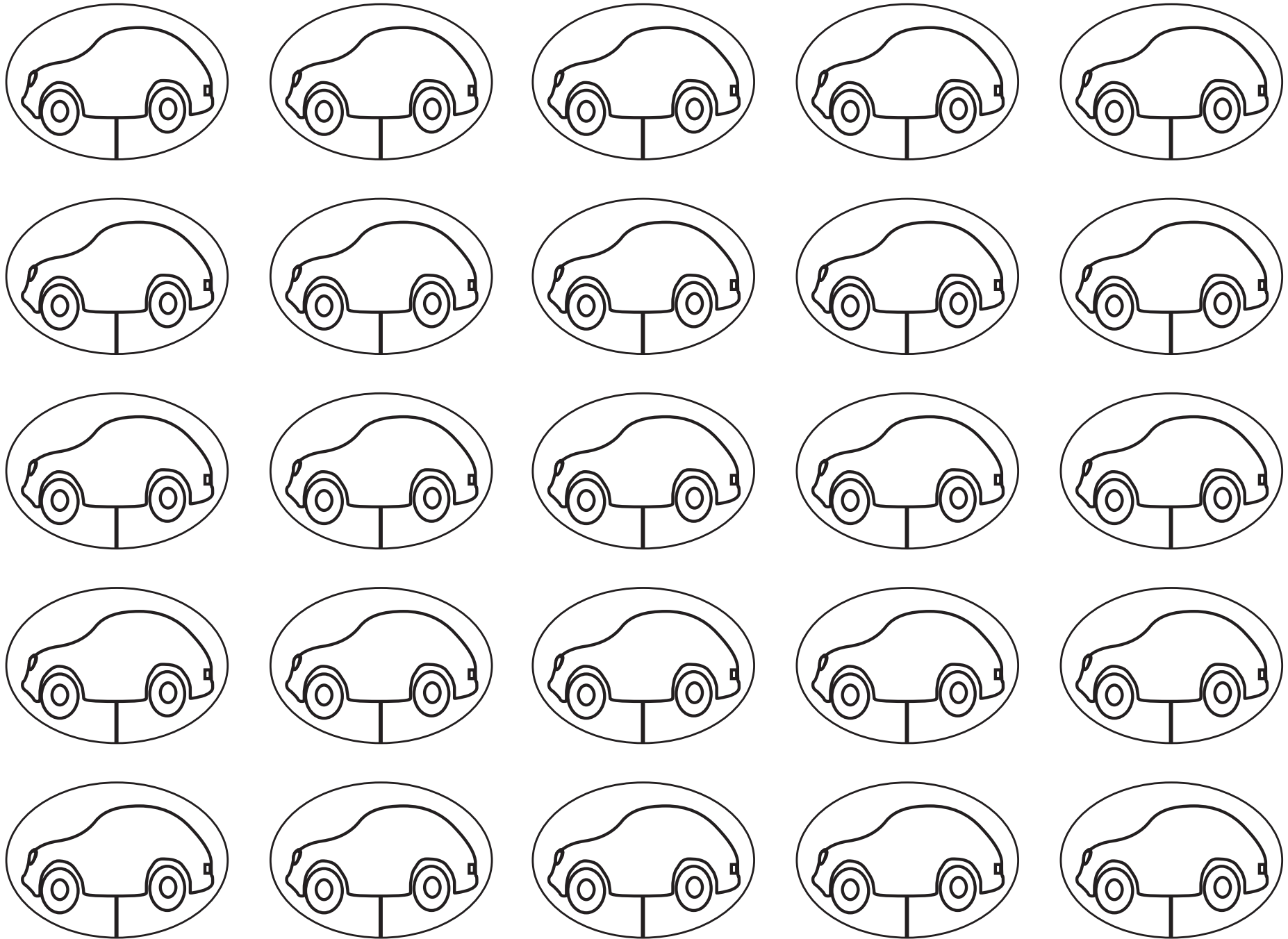
.....

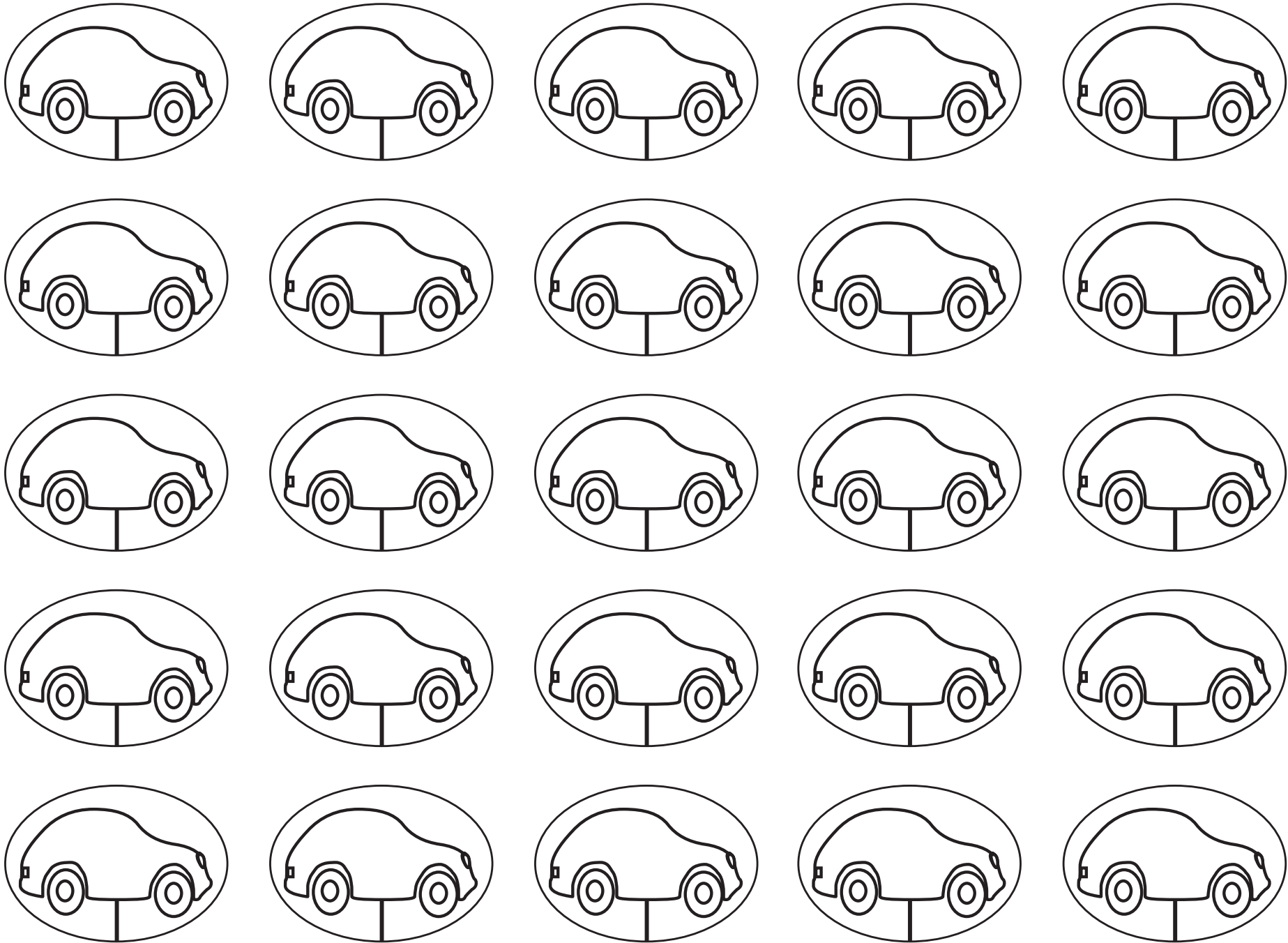
c) $\begin{array}{cccc} & \textcircled{1} & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ \boxed{-1} & \boxed{-1} & \boxed{-1} & \boxed{-1} & \end{array}$

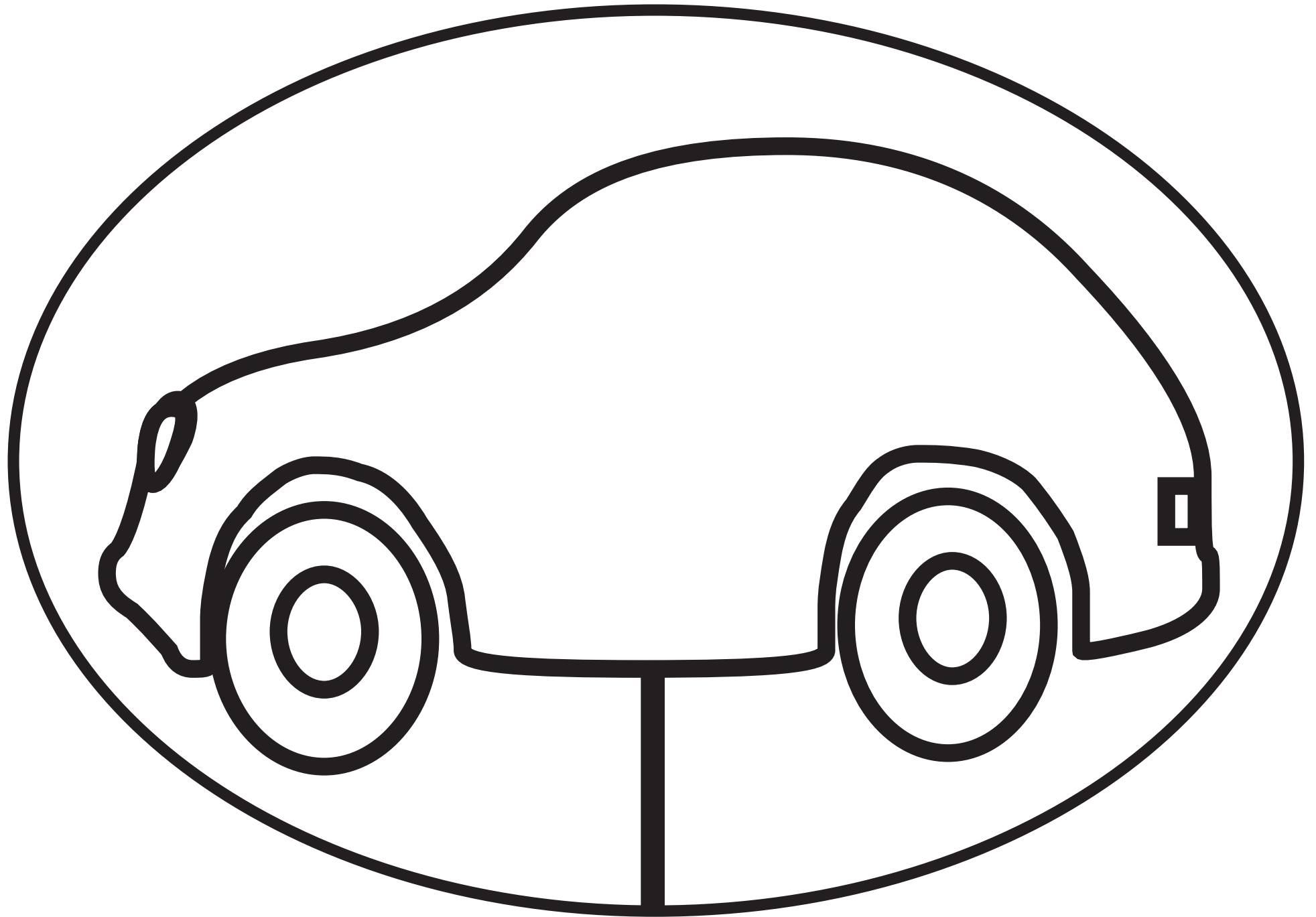
.....

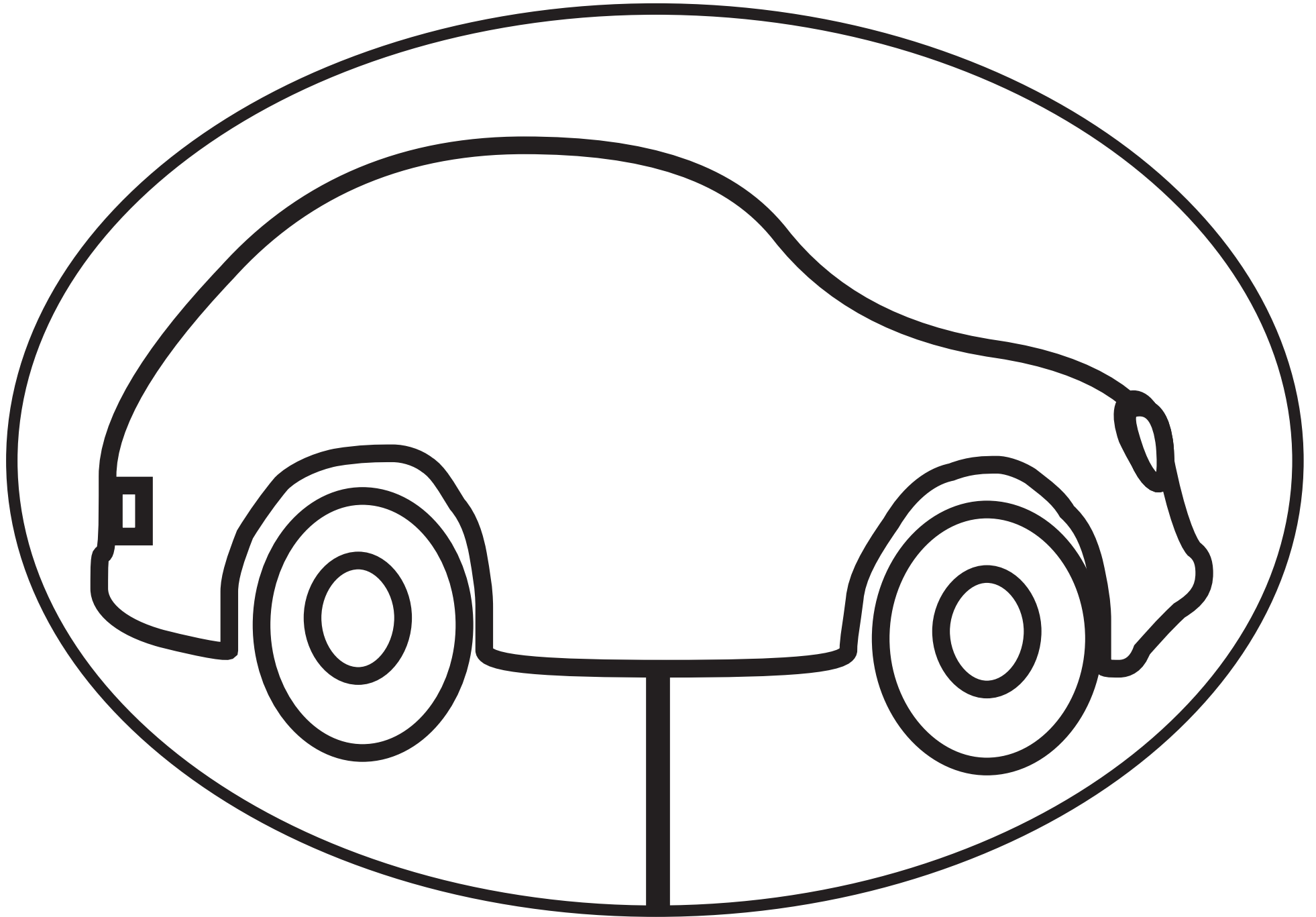
LP 53/6

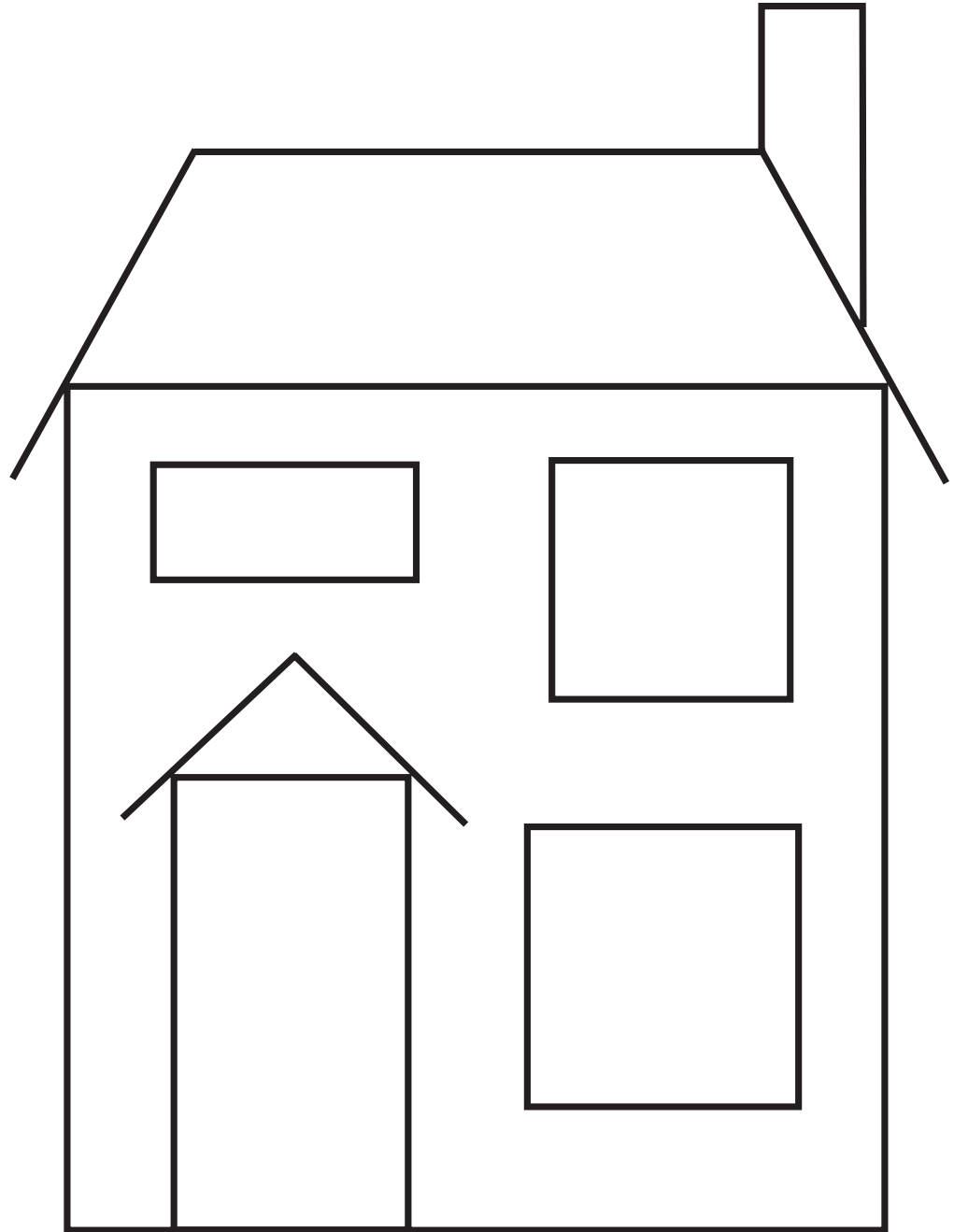
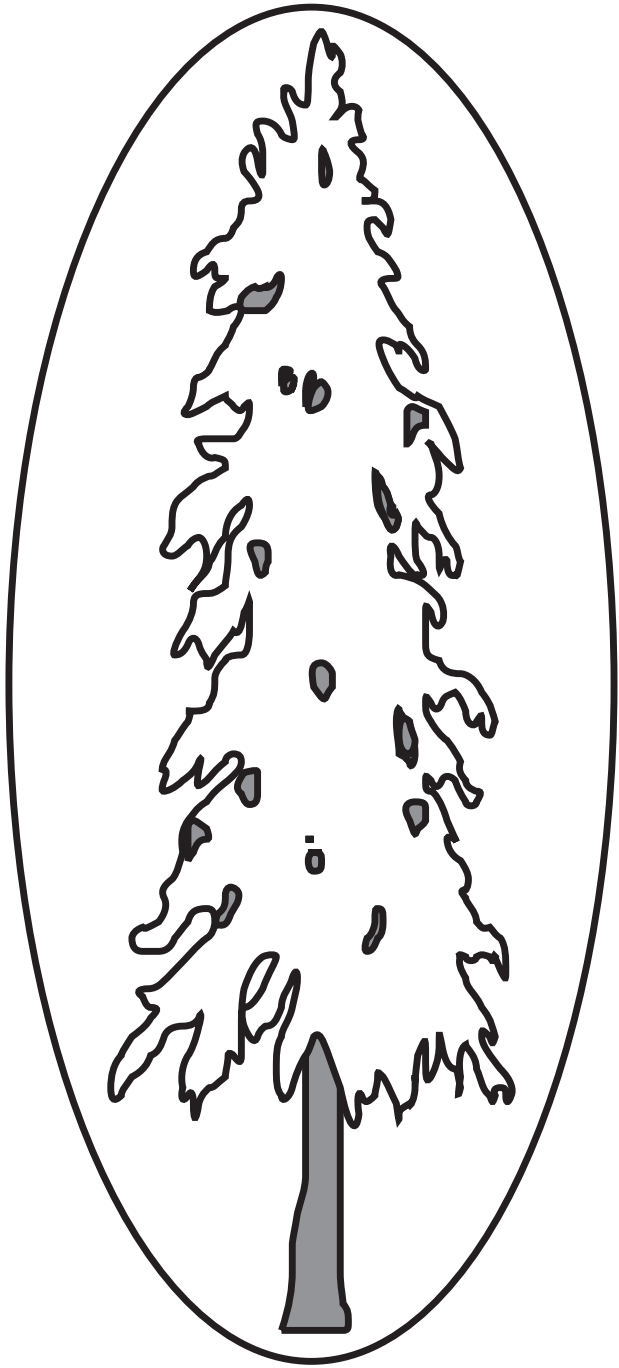


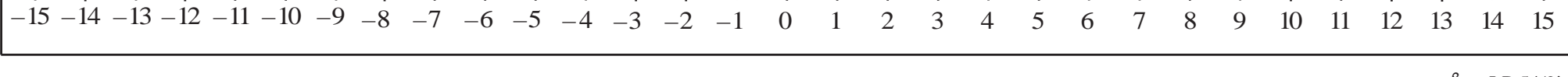
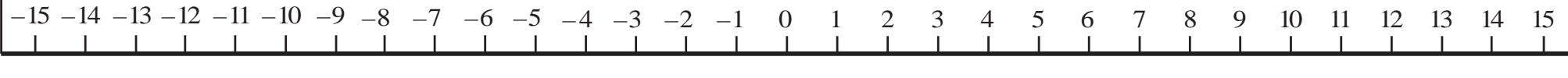
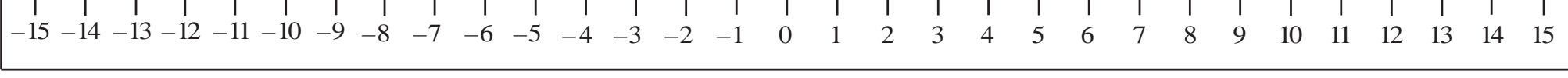
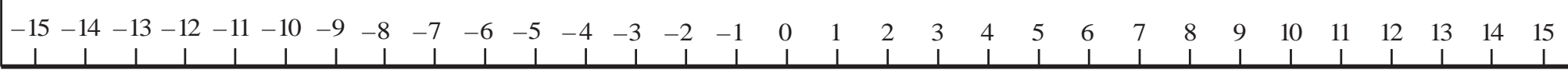
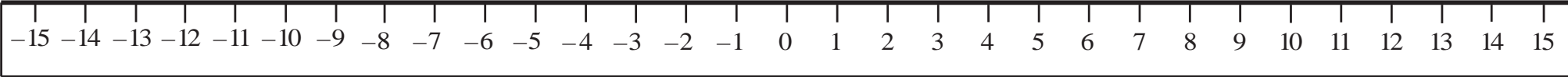
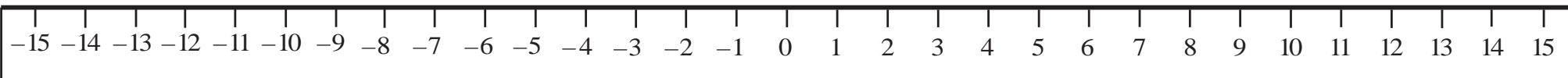
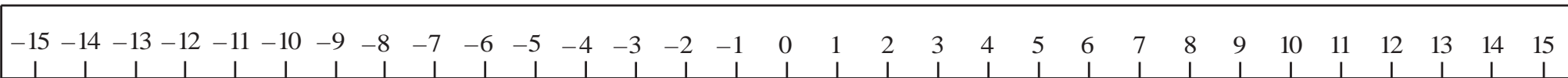
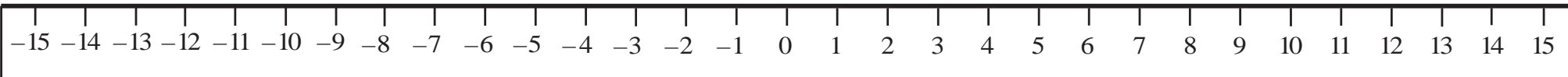
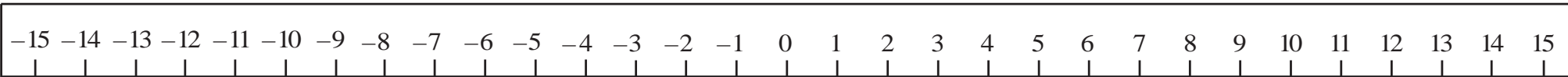




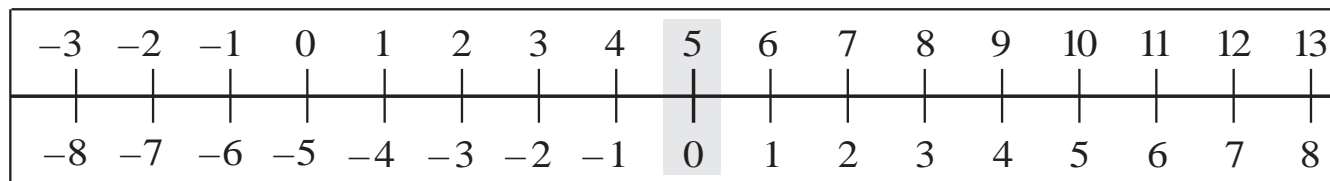






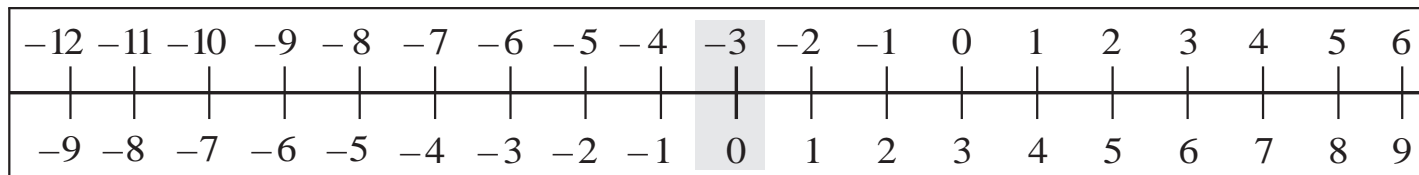


a)



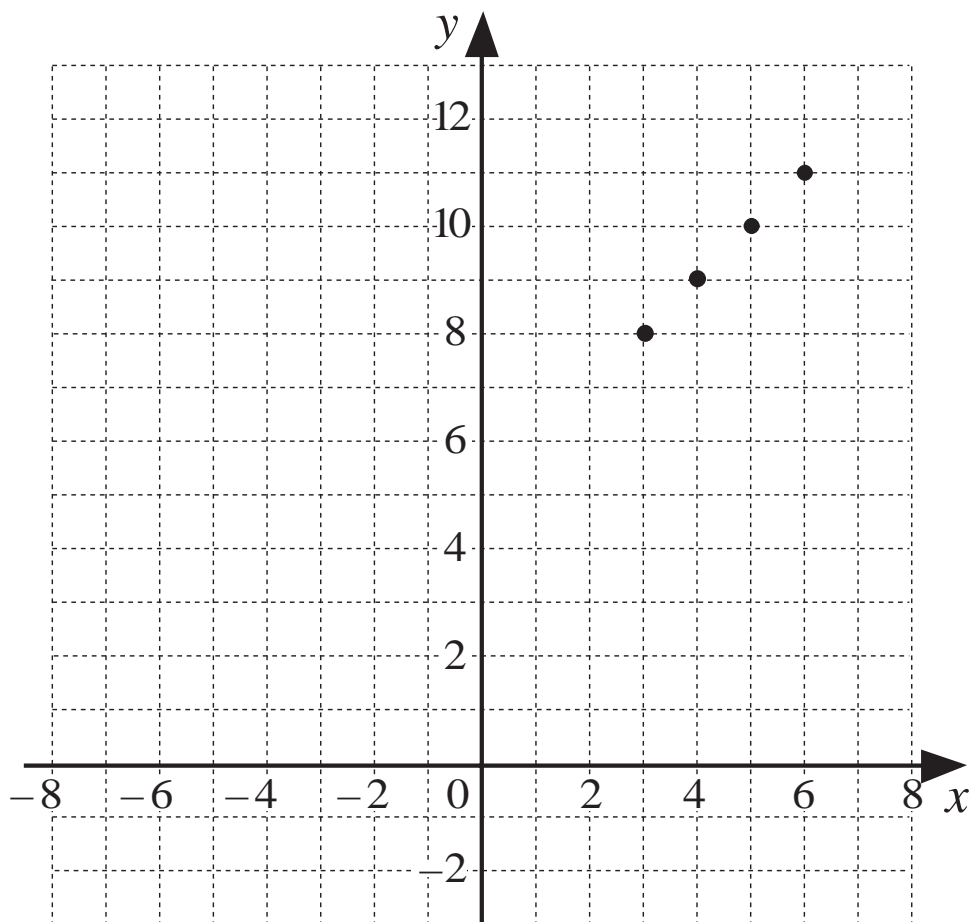
$(+ 5) + (+ 6) = \boxed{11}$	$(+ 5) + (+ 1) = \boxed{}$	$(+ 5) + (- 4) = \boxed{}$
$(+ 5) + (+ 5) = \boxed{}$	$(+ 5) + 0 = \boxed{}$	$(+ 5) + (- 5) = \boxed{}$
$(+ 5) + (+ 4) = \boxed{}$	$(+ 5) + (- 1) = \boxed{}$	$(+ 5) + (- 6) = \boxed{}$
$(+ 5) + (+ 3) = \boxed{}$	$(+ 5) + (- 2) = \boxed{}$	$(+ 5) + (- 7) = \boxed{}$
$(+ 5) + (+ 2) = \boxed{}$	$(+ 5) + (- 3) = \boxed{}$	$(+ 5) + (- 8) = \boxed{}$

b)

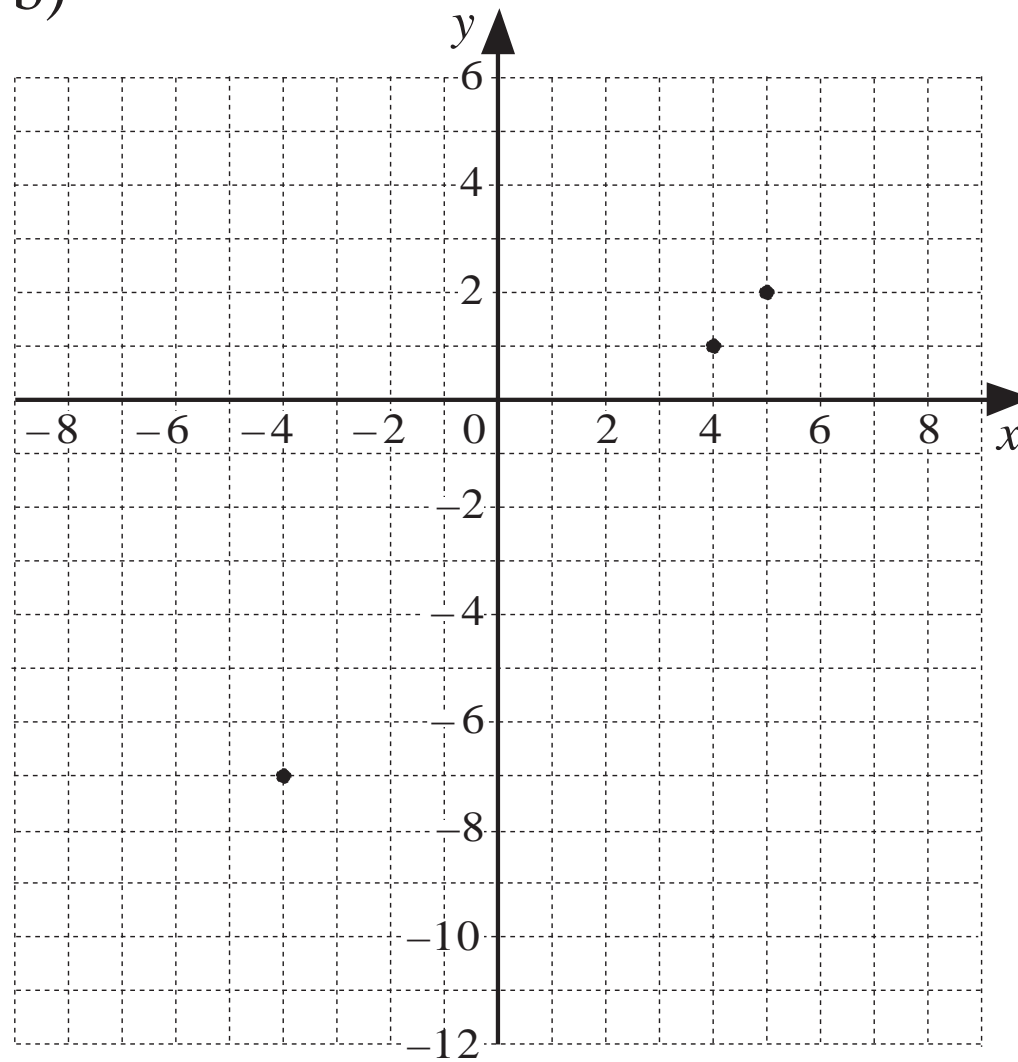


$(- 3) + (+ 5) = \boxed{}$	$(- 3) + 0 = \boxed{}$	$- 3 + (- 5) = \boxed{}$
$(- 3) + (+ 4) = \boxed{}$	$(- 3) + (- 1) = \boxed{}$	$- 3 + (- 6) = \boxed{}$
$(- 3) + (+ 3) = \boxed{}$	$(- 3) + (- 2) = \boxed{}$	$- 3 + (- 7) = \boxed{}$
$(- 3) + (+ 2) = \boxed{}$	$(- 3) + (- 3) = \boxed{}$	$- 3 + (- 8) = \boxed{}$
$(- 3) + (+ 1) = \boxed{}$	$(- 3) + (- 4) = \boxed{-7}$	$- 3 + (- 9) = \boxed{}$

a)



b)



+	-3	-2	-1	0	+1	+2	+3
-3	-6						
-2						0	+1
-1							
0					+1	+2	+3
+1					+2	+3	+4
+2							
+3		+1					

- a) $+3 + (-1) =$
- b) $-1 + (-2) =$
- c) $-3 + (-2) =$
- d) $+3 + (-3) =$
- e) $0 + (-3) =$
- f) $+2 + (-3) =$
- g) $-1 + 0 =$

a)

	3	2	4
1	0	9	2
+		9	2

b)

	5	9	2
		8	4
+	1	7	5

c)

	2	0	0	7
		7	4	8
+	1	9	8	0

d)

	6	2	4	7
3	1	4	8	2
+		3	7	6

LP 55/3

a)

	4	8	4	0
-	2	7	6	8

b)

	5	7	2	8
-	1	7	4	2

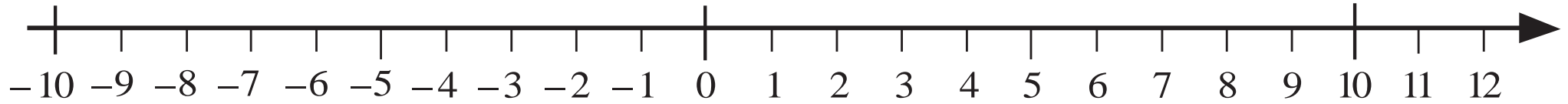
c)

	3	0	0	0
-	1	6	4	2

d)

	2	1	3	0	5
-		1	4	8	8

LP 55/5



LP 56/5i

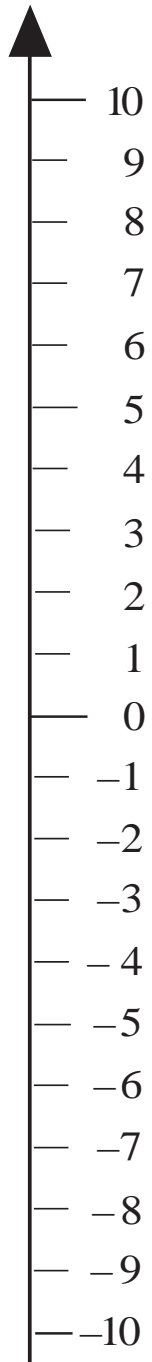


subtrahend



reductant

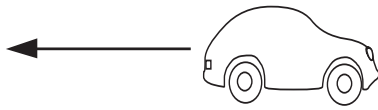
 LP 56/5ii



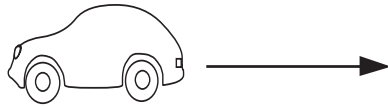
- a) 3°C is greater than -6°C by $^{\circ}\text{C}$
 So $3 - (-6) = 9$ *Check:* $9 + (-6) = 3$
-
- b) -6°C is less than 3°C by $^{\circ}\text{C}$
 So *Check:*
-
- c) 4 is less than 7 by
 So *Check:*
-
- d) 7 is greater than 4 by
 So *Check:*
-
- e) -8 is less than -2 by
 So *Check:*
-
- f) -2 is greater than -8 by
 So *Check:*
-

- a) Sue's starting balance was £2, as she had £5 in cash and was in debt. Then she spent £5.
How much is her balance now?
- b) Rob's starting balance was – £3, as he had in cash and was £5 in debt. Then he spent £2.
How much is his new balance?
- c) Billy's starting balance was – £3, as he had £1 in cash and was in debt. Then £4 of his debts were cancelled.
How much is his balance now?
- d) Mary's starting balance was , as she had £5 in cash and was £3 in debt. Then £3 of her debts were repaid.
What is her balance now?

a) $(+ 8) - (+ 2) =$



c) $(+ 2) - (+ 8) =$



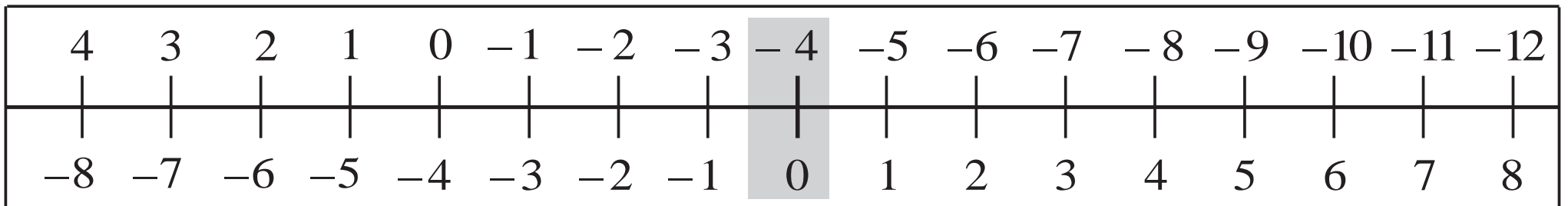
e) $(+ 4) - (+ 3) =$

b) $(- 8) - (- 2) =$

d) $(- 2) - (- 8) =$

f) $(- 4) - (- 3) =$

LP 58/8

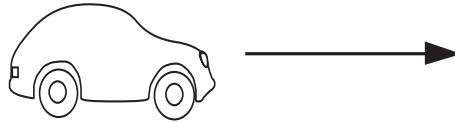


LP 59/3

a) $(+ 3) + (- 1) =$

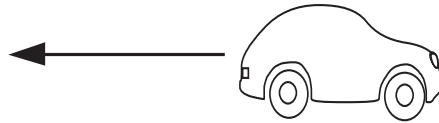
b) $(+ 3) + (- 5) =$

c) $(+ 3) + (+ 2) =$



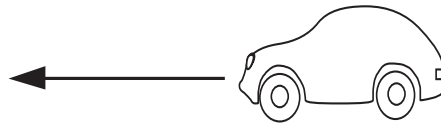
d) $(+ 3) + 0 =$

e) $(- 4) + (+ 1) =$



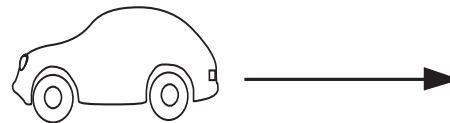
f) $(- 4) + (+ 6) =$

g) $(- 4) + (- 3) =$



h) $(- 4) + 0 =$

i) $0 + (+ 2) =$



j) $0 + (- 3) =$

k) $(+ 3) - (+ 1) =$

l) $(+ 3) - (+ 5) =$

m) $(+ 3) - (- 2) =$

n) $(+ 3) - 0 =$

o) $(- 4) - (- 1) =$

p) $(- 4) - (- 6) =$

q) $(- 4) - (+ 3) =$

r) $(- 4) - 0 =$

s) $0 - (- 2) =$

t) $0 - (+ 3) =$

a)

a	8	7	6			3	2				-2	-3	-4
b	5	4		2	1			-2	-3	-4			

Rule:

b)

x	5	-1	2	0		7		3	-40		8		
y	-2	4	1		-3		100			11		6	8.5

Rule:

a)

$$(+4) - (+6) = \boxed{}$$

$$(+4) - (+5) = \boxed{}$$

$$(+4) - (+4) = 0$$

$$(+4) - (+3) = +1$$

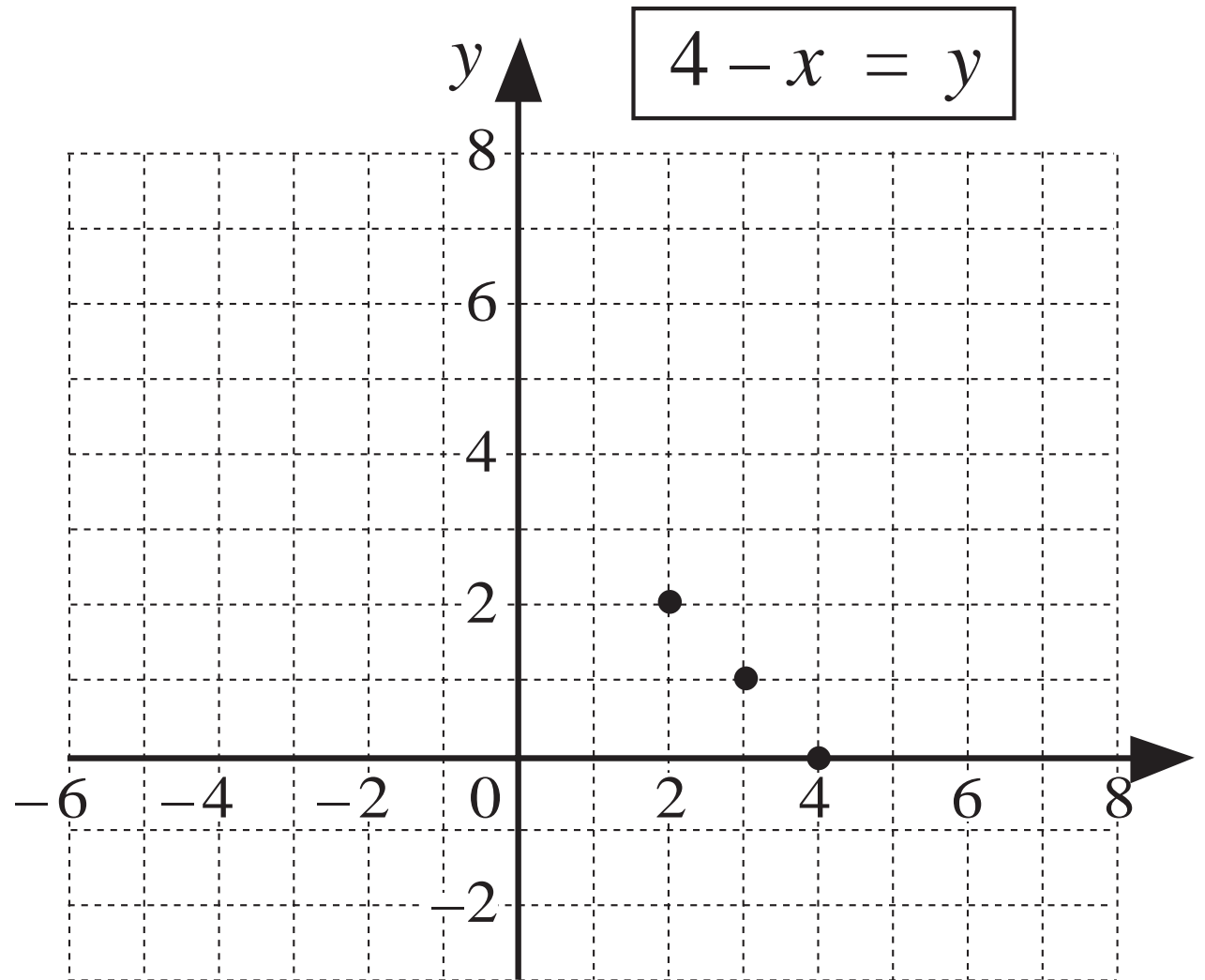
$$(+4) - (+2) = +2$$

$$(+4) - (+1) = +3$$

$$(+4) - 0 = +4$$

$$(+4) - (-1) = \boxed{}$$

$$(+4) - (-2) = \boxed{}$$



b)

$$(-4) - (+2) = \boxed{}$$

$$(-4) - (+1) = \boxed{}$$

$$(-4) - 0 = -4$$

$$(-4) - (-1) = -3$$

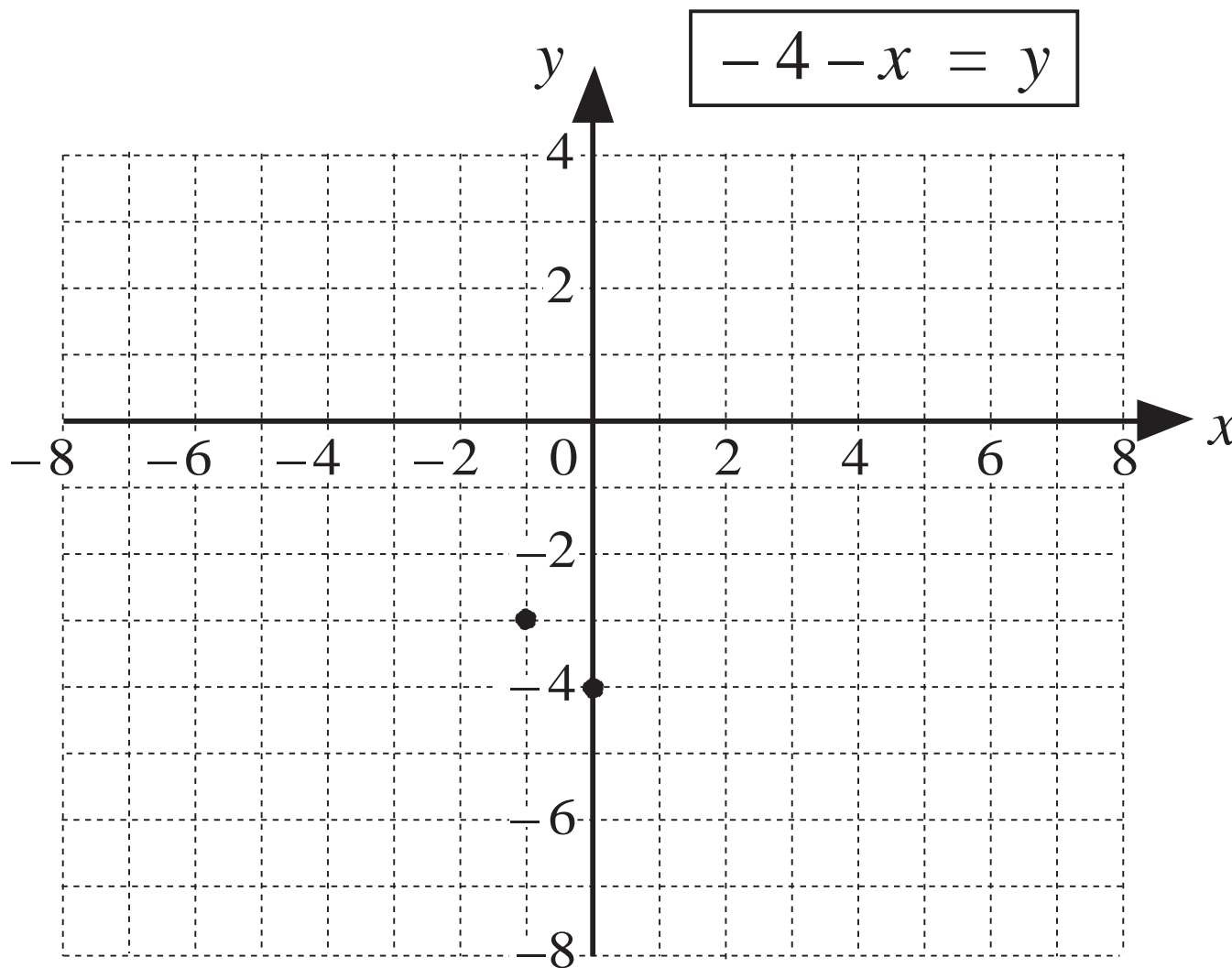
$$(-4) - (-2) = -2$$

$$(-4) - (-3) = \boxed{}$$

$$(-4) - (-4) = 0$$

$$(-4) - (-5) = \boxed{}$$

$$(-4) - (-6) = \boxed{}$$



a)

$$(+3) + (-5) =$$

$$(+3) + (-4) =$$

$$(+3) + (-3) =$$

$$(+3) + (-2) =$$

$$(+3) + (-1) =$$

$$(+3) + 0 =$$

$$(+3) + (+1) =$$

$$(+3) + (+2) =$$

$$(+3) - (+5) =$$

$$(+3) - (+4) =$$

$$(+3) - (+3) =$$

$$(+3) - (+2) =$$

$$(+3) - (+1) =$$

$$(+3) - 0 =$$

$$(+3) - (-1) =$$

$$(+3) - (-2) =$$

b)

$$(-3) + (-2) =$$

$$(-3) + (-1) =$$

$$(-3) + 0 =$$

$$(-3) + (+1) =$$

$$(-3) + (+2) =$$

$$(-3) + (+3) =$$

$$(-3) + (+4) =$$

$$(-3) + (+5) =$$

$$(-3) - (+2) =$$

$$(-3) - (+1) =$$

$$(-3) - 0 =$$

$$(-3) - (-1) =$$

$$(-3) - (-2) =$$

$$(-3) - (-3) =$$

$$(-3) - (-4) =$$

$$(+3) - (-5) =$$

a)

	2	7	4
	×	2	3

b)

		4	7
	×	2	6

c)

		6	1	2
	×	1	0	7

d)

		4	6	7
	×	2	0	5

LP 60/3

a)

6	4	8	9

b)

9	4	2	6	3

c)

2	1	6	1	5	0

d)

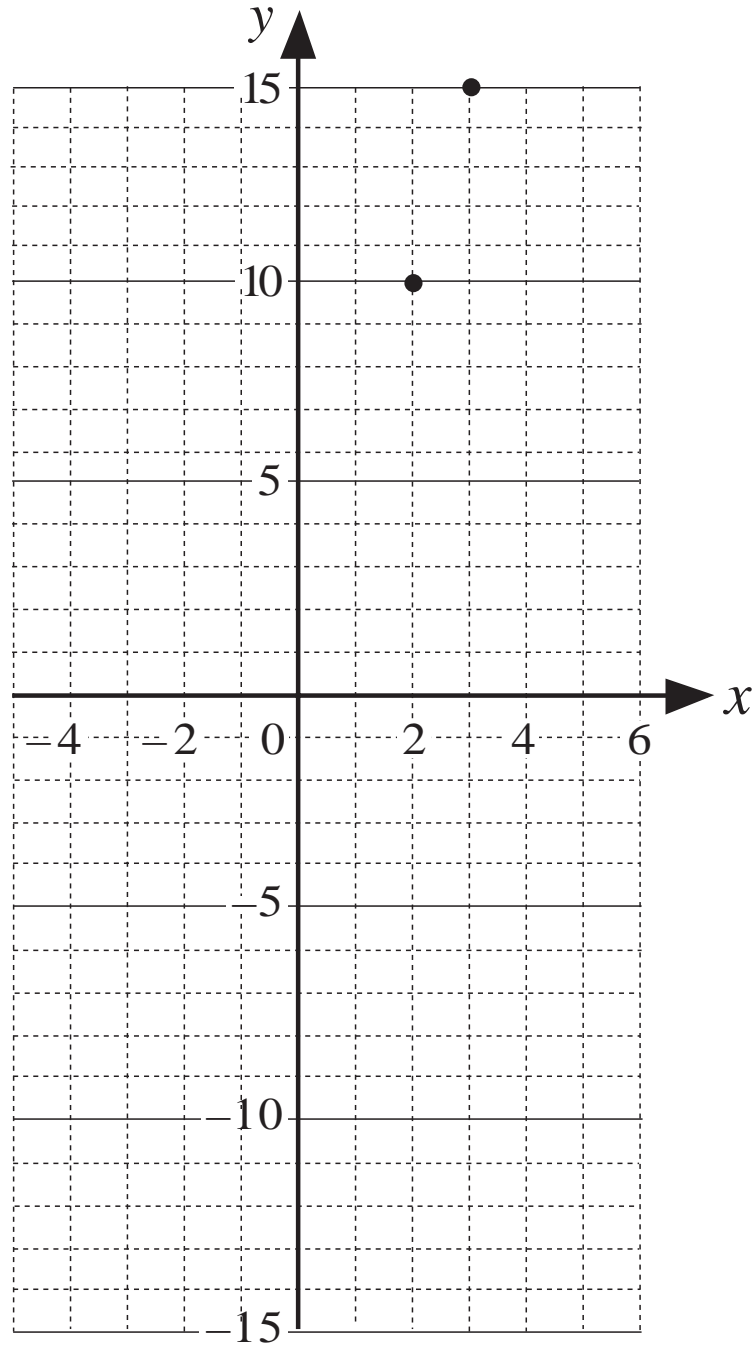
1	8	4	9	2

LP 60/7



H Th	T Th	Th	H	T	U

- $5 \times 3 =$
 $5 \times 2 =$
 $5 \times 1 =$
 $5 \times 0 =$
 $5 \times (-1) =$
 $5 \times (-2) =$
 $5 \times (-3) =$



$5 \times x = y$

$9 \div 3 = \boxed{}$

$6 \div 3 = \boxed{}$

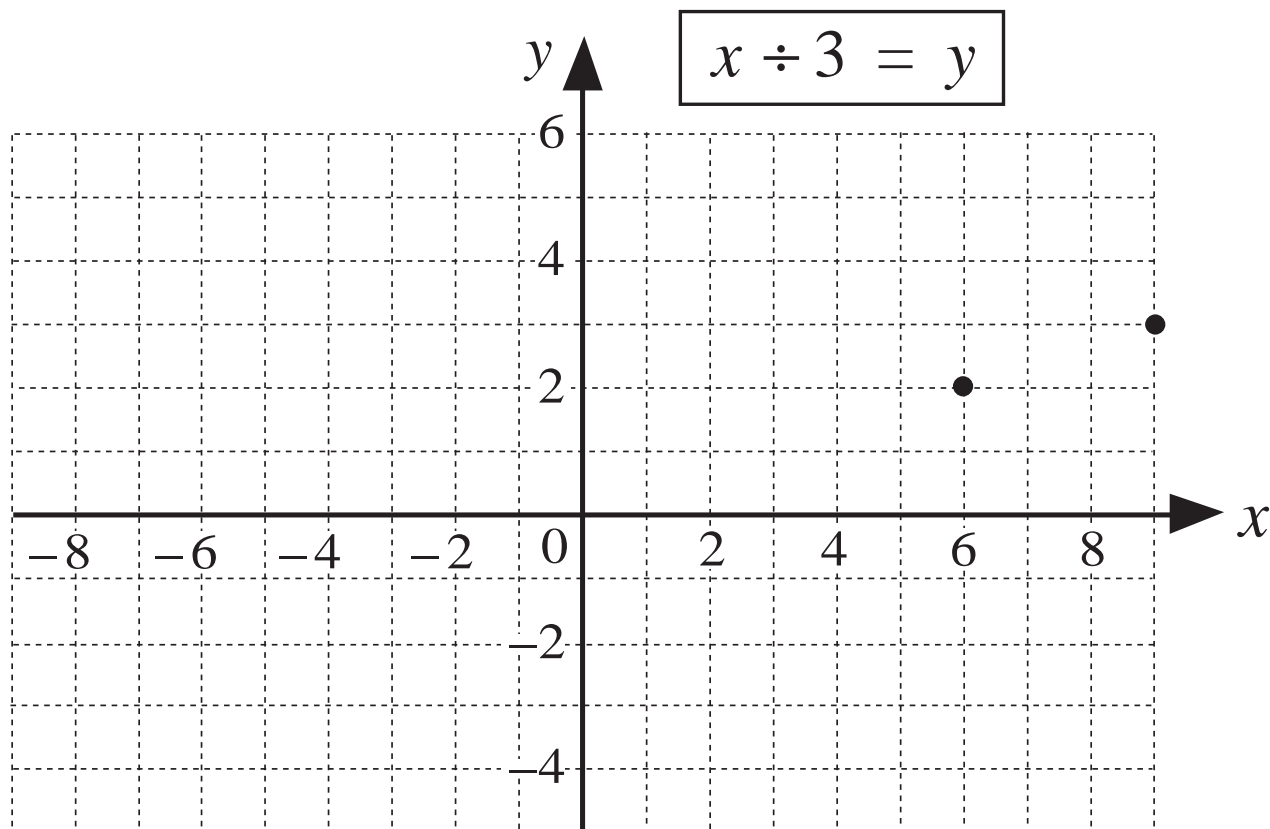
$3 \div 3 = \boxed{}$

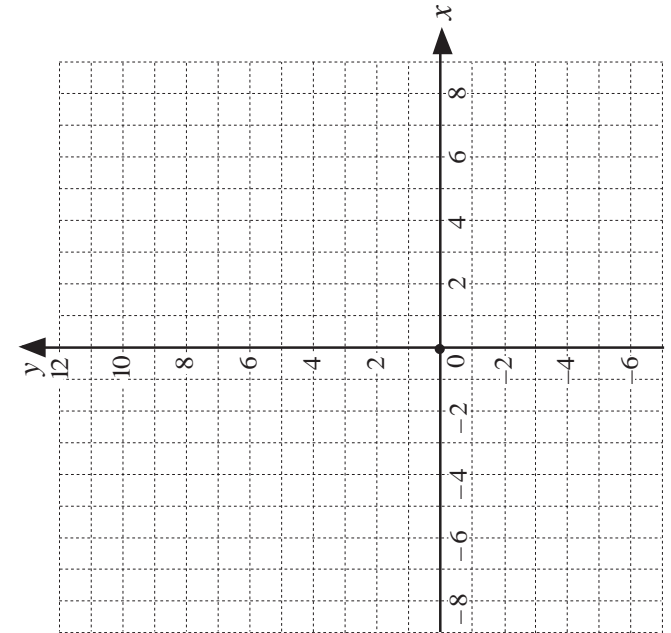
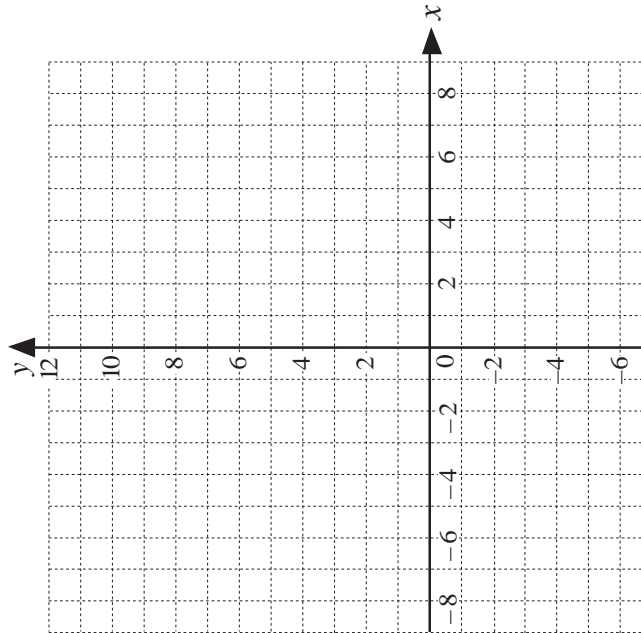
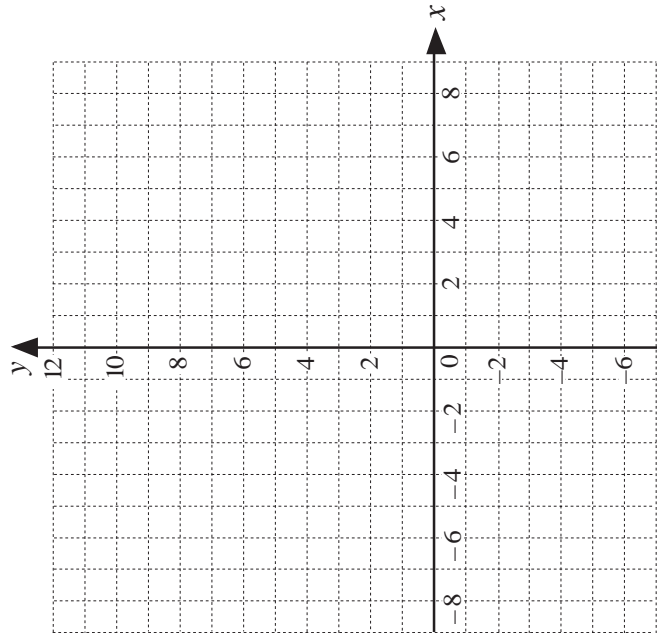
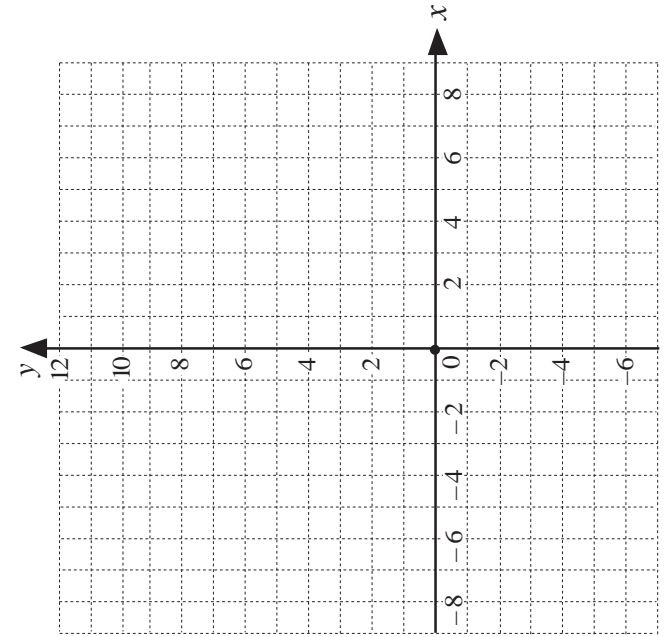
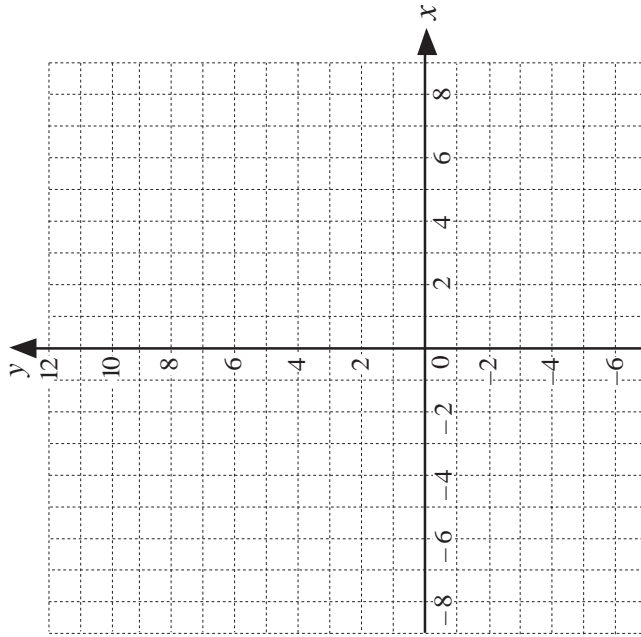
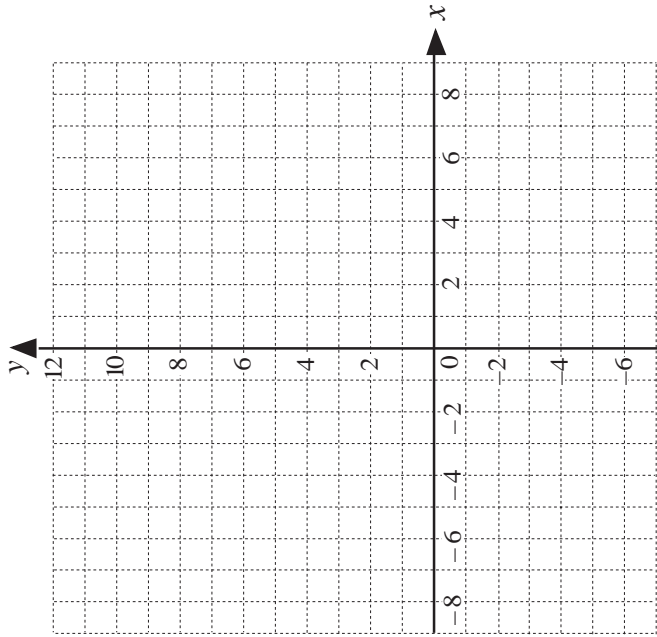
$0 \div 3 = \boxed{}$

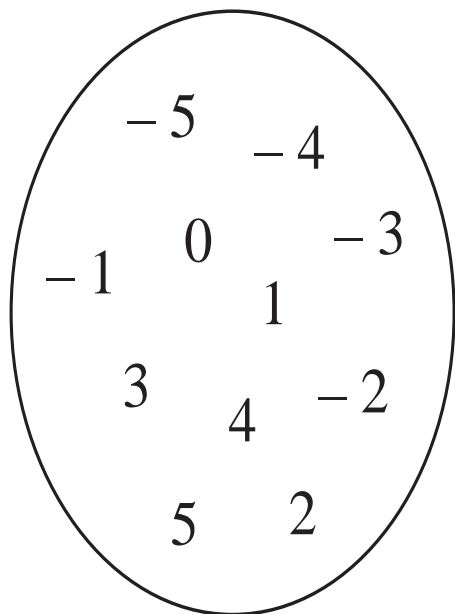
$-3 \div 3 = \boxed{}$

$-6 \div 3 = \boxed{}$

$-9 \div 3 = \boxed{}$







Statement	Numbers which make it true	Numbers which make it false
$5 - \square = 8$		
$6 + \square = 1$		
$\square < 3$		
$5 - \square > 6$		
$4 + \square \leq 8$		

a) $-4 - \square = -18$

$\square : \dots\dots\dots$

b) $-\bigcirc < 1$

$\bigcirc : \dots\dots\dots$

c) $13 + \triangle = -10$

$\triangle = \dots\dots\dots$

d) $-3 - \square \leq -15$

$\square : \dots\dots\dots$

e) $10 - \bigcirc = 15$

$\bigcirc = \dots\dots\dots$

f) $\triangle - (-2) > 5$

$\triangle : \dots\dots\dots$

g) $\square + (-3) = -5$

$\square = \dots\dots\dots$

h) $-8 - \bigcirc > -1$

$\bigcirc : \dots\dots\dots$

i) $-10 + (-x) = -11$

$x = \dots\dots\dots$

a) $\square \times 6 \geq -18$

$\square : \dots\dots\dots$

b) $+8 \times \bigcirc \leq 0$

$\bigcirc : \dots\dots\dots$

c) $\triangle \times 4 = \triangle + (-12)$

$\triangle = \dots\dots\dots$

d) $\frac{-24}{\square} = -6$

$\square = \dots\dots\dots$

e) $\bigcirc \div 5 = -3$

$\bigcirc = \dots\dots\dots$

f) $(-5) + \triangle < +6$

$\triangle : \dots\dots\dots$

a)

x		4		- 1		0		17		- 29						- 1024		+ 12					
y		- 4		1		0		- 17				165		- 40						+ 309		4	

$y =$ $x =$

b)

a		5		- 4		+ 11		0		+ 105		- 48						+ 2183		- 536	
b		5		4		+ 11		0						+ 382		+ 382					

$b =$

a) $13 - \square > 10$

 $\square : \dots\dots\dots$

b) $-10 + (-\bigcirc) < -11$

 $\bigcirc : \dots\dots\dots$

c) $\triangle \div 5 = -7$

 $\triangle = \dots\dots\dots$

d) $(-4) \times \square > -24$

 $\square : \dots\dots\dots$

e) $-12 + 2 \times \bigcirc = -16$

 $\bigcirc = \dots\dots\dots$

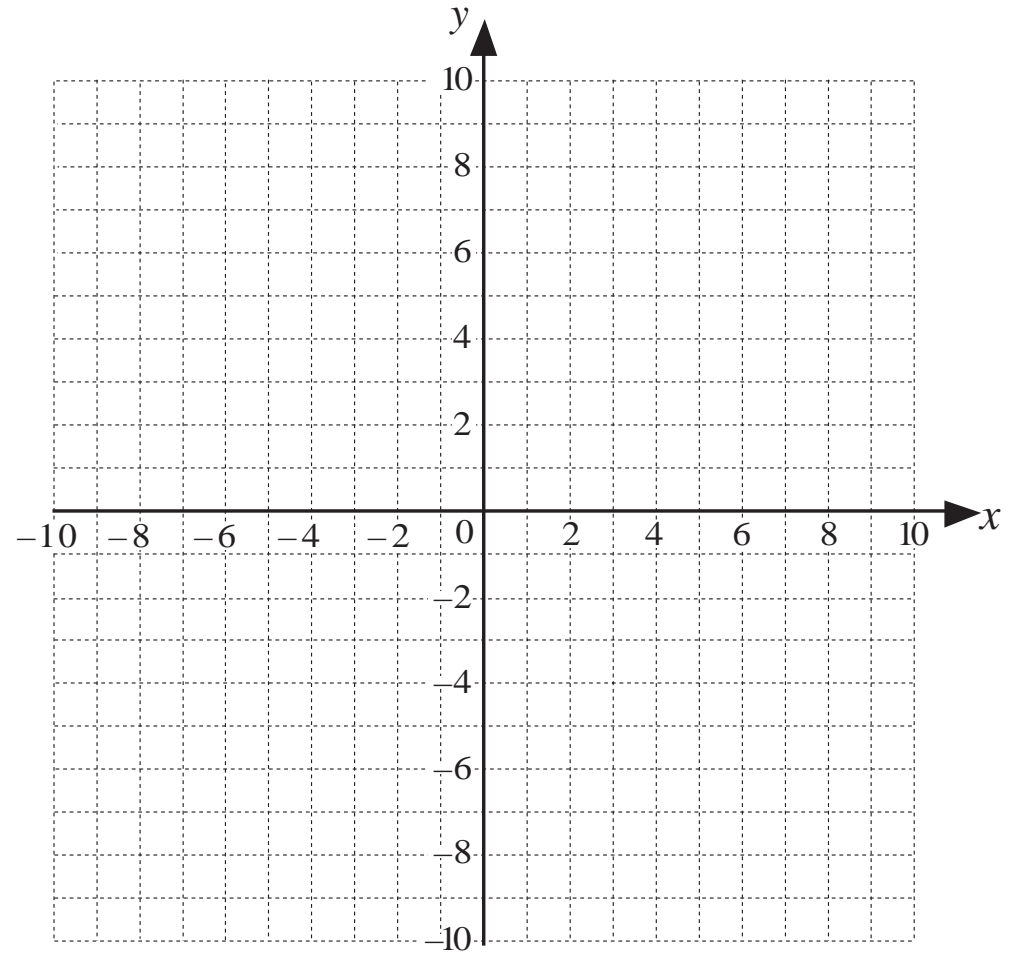
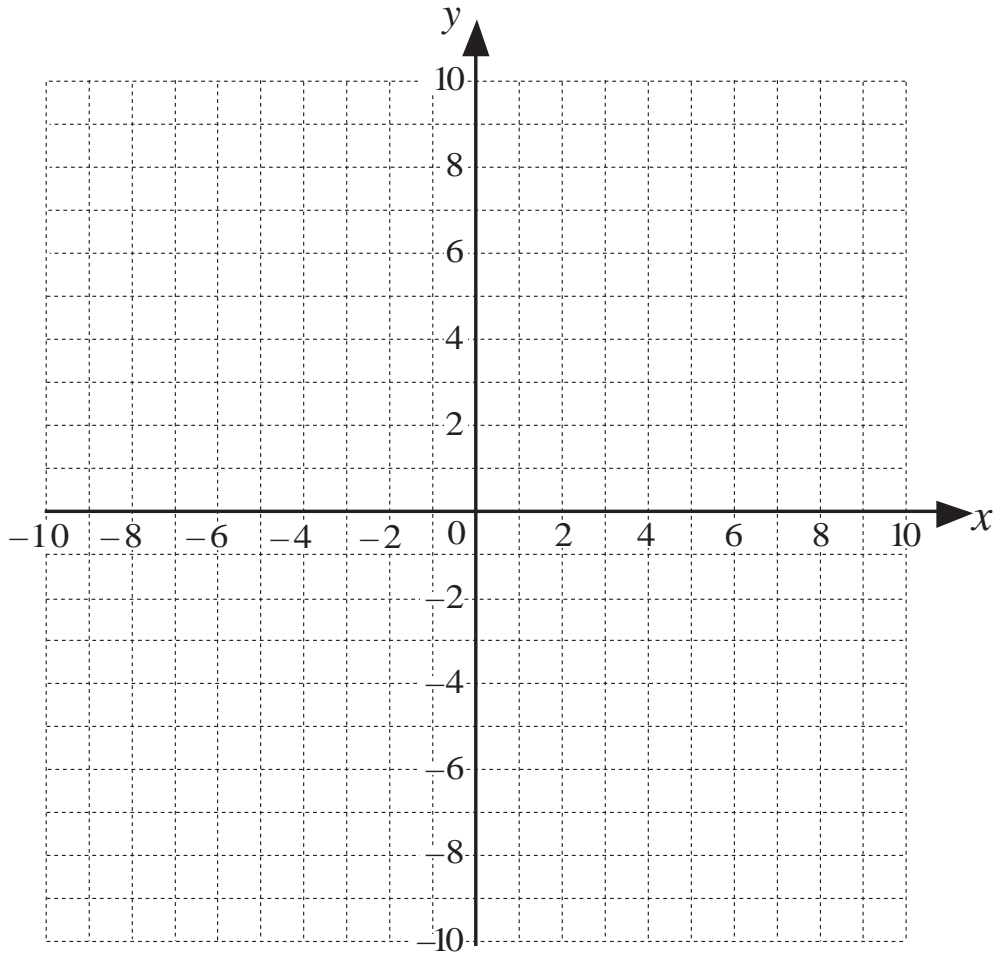
f) $\triangle \div (+3) = -6$

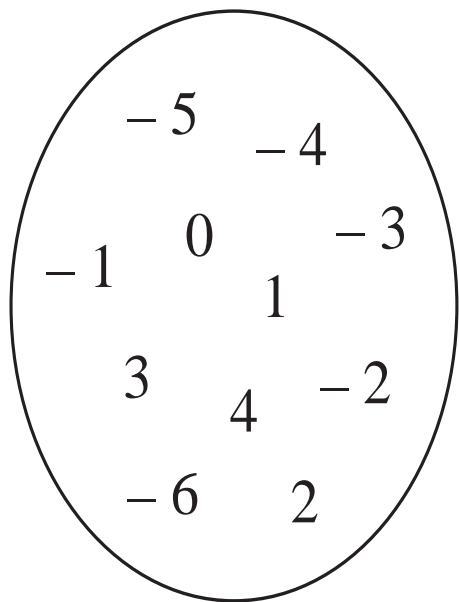
 $\triangle = \dots\dots\dots$

LP 64/11

x	$+3$	$+5$	-1	0	$+8$			
y	$+1$	-1				$+9$		

LP 64/12i





Statement	Numbers which make it true	Numbers which make it false
$6 - \square = 9$		
$6 + \square = 0$		
$\square < 2$		
$3 - \square > 4$		
$4 + \square \leq 2$		

LP 65/3

x	-3	+4	+1	-5			-1	+2		-4	+5
y	+2	-5			+1	-1			-4		

Rule:

LP 65/4i

a) $6 + 8 =$

b) $24 + 5 =$

c) $32 + 19 =$

d) $250 + 190 =$

e) $13 - 8 =$

f) $26 - 12 =$

g) $54 - 18 =$

h) $350 - 140 =$

i) $6 \times 7 =$

j) $14 \times 5 =$

k) $6 \times 90 =$

l) $18 \times 100 =$

m) $30 \div 5 =$

n) $42 \div 7 =$

o) $150 \div 10 =$

p) $250 \div 10 =$

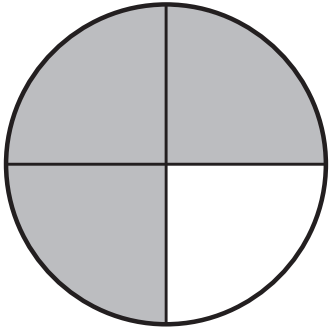


LP 66/6

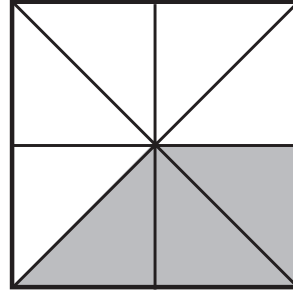
x	7	8	9	5		6	7	10	6	0
y	3	2	5	8	9		7		11	30
z	22	17	46		82	61		81		

LP 66/9

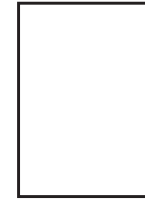
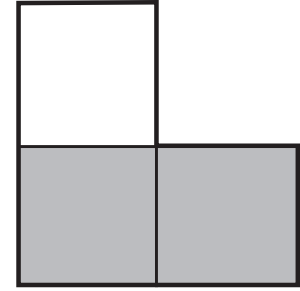
a) 1 unit



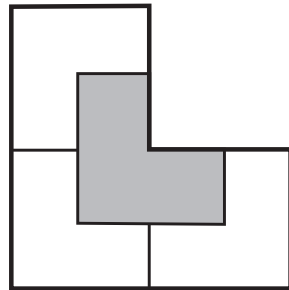
b) 1 unit



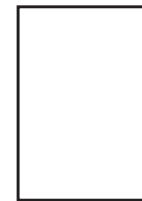
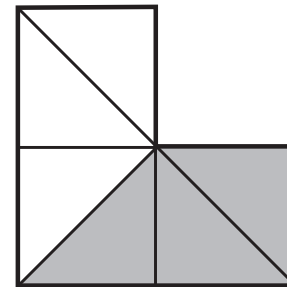
c) 1 unit



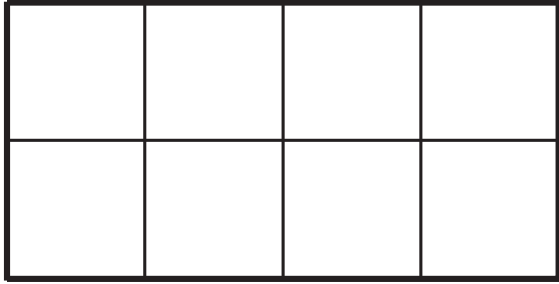
d) 1 unit



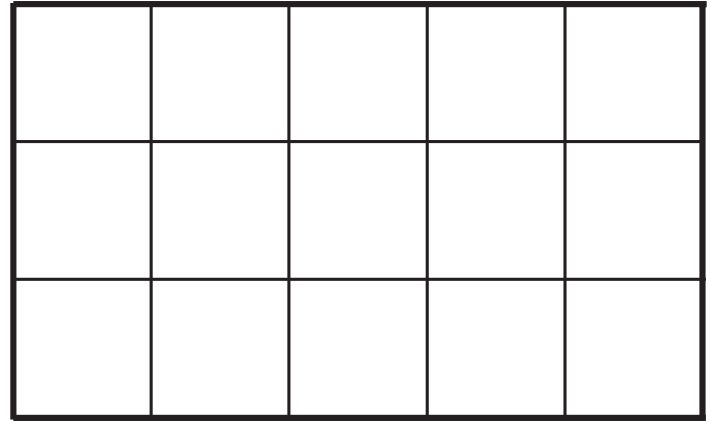
e) 1 unit



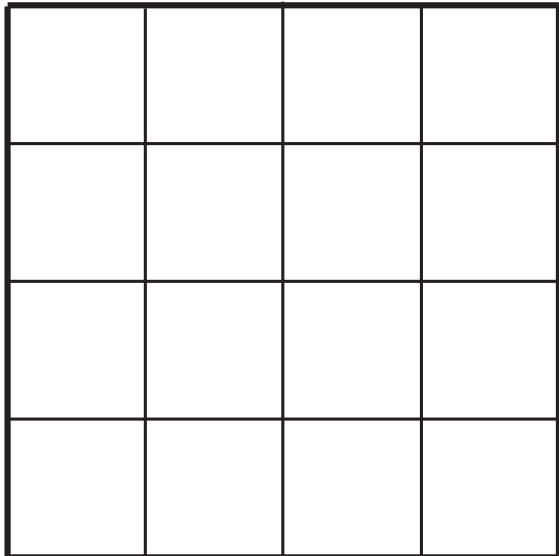
a)



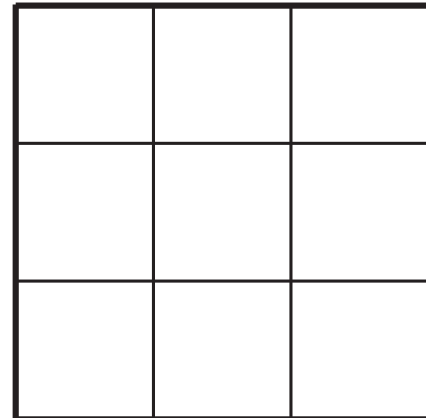
b)

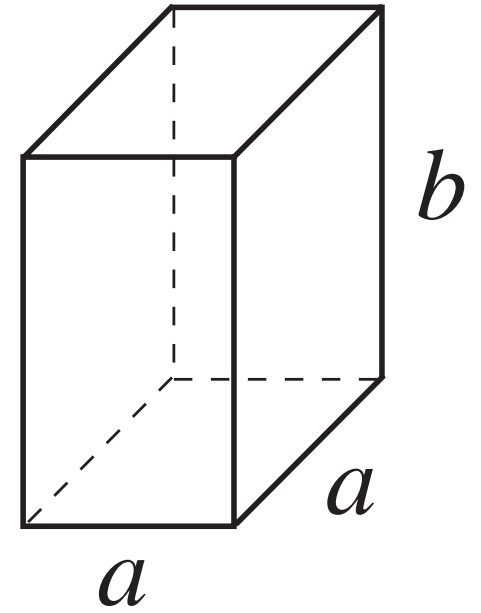
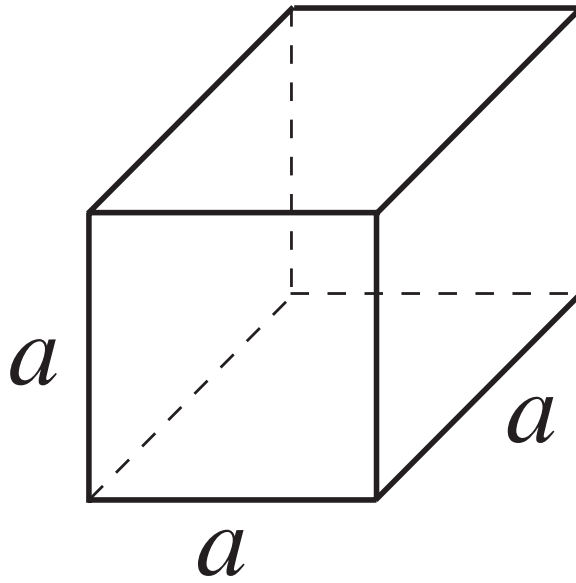
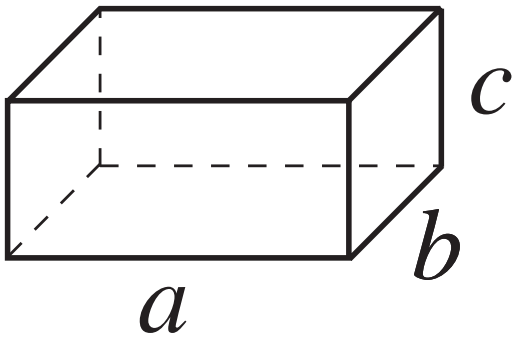
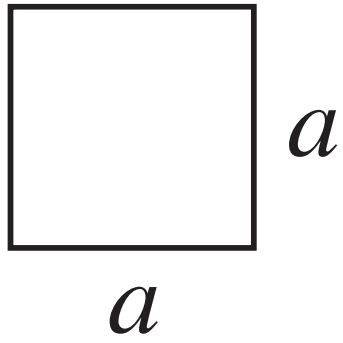
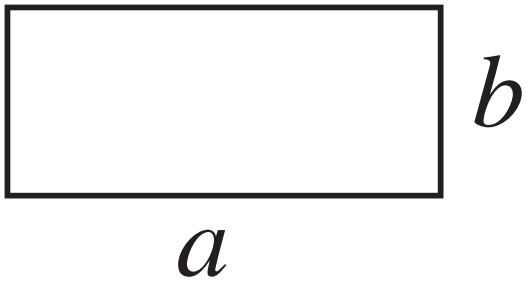



c)



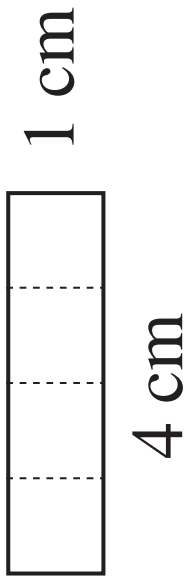
d)



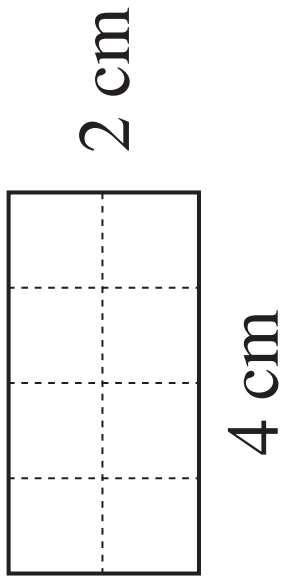


Unit of area:  1 cm = 1 cm²
1 cm

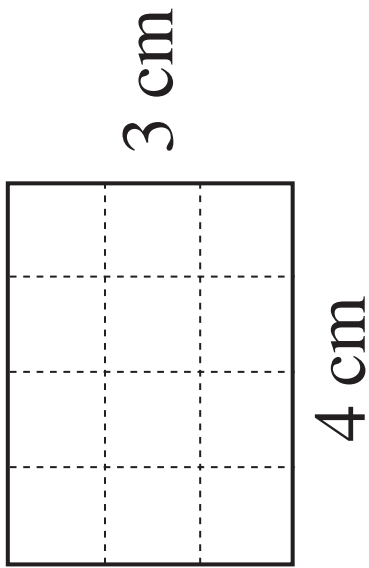
①



②



③

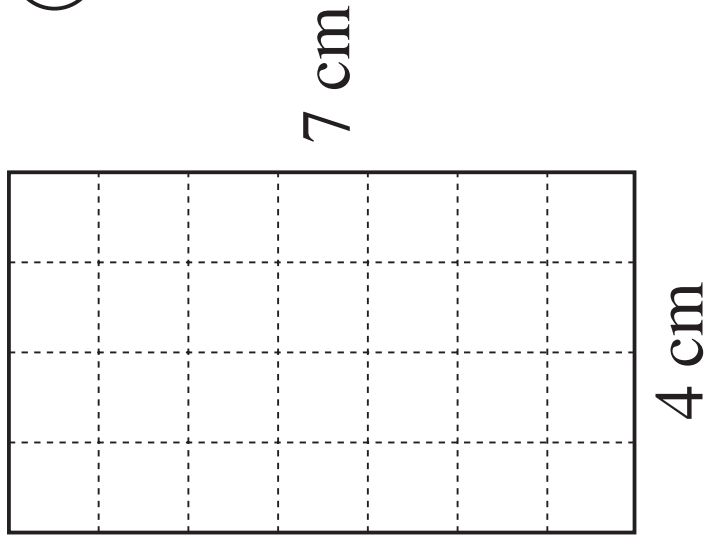


$$A_1 =$$

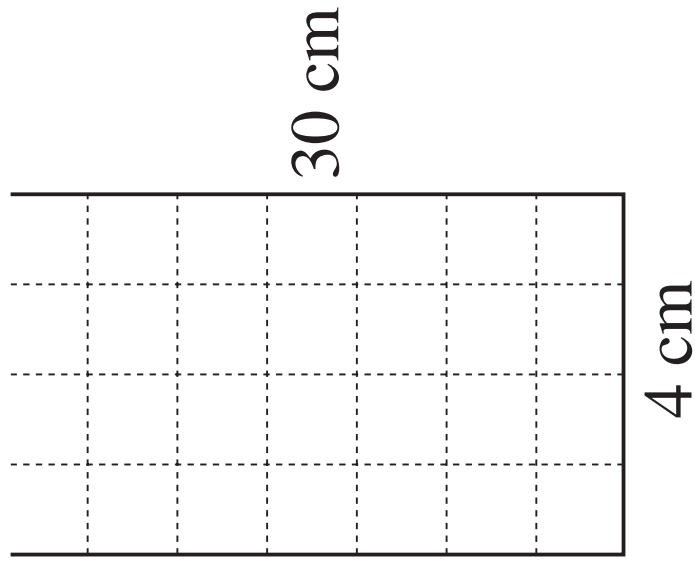
$$A_3 =$$

$$A_2 =$$

④



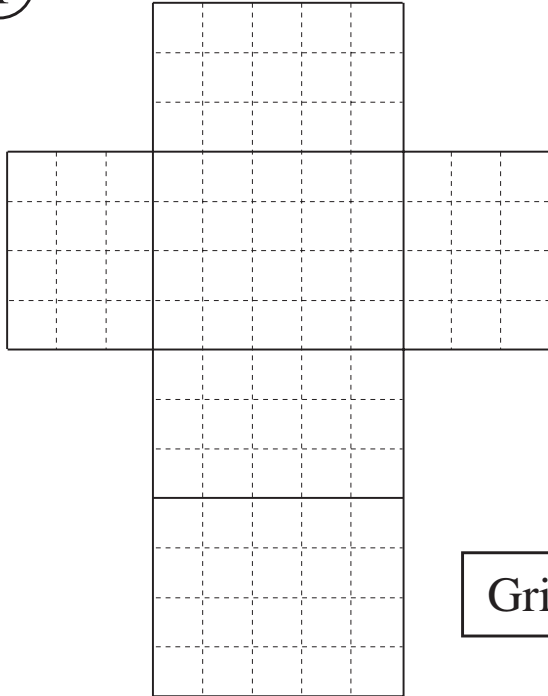
⑤



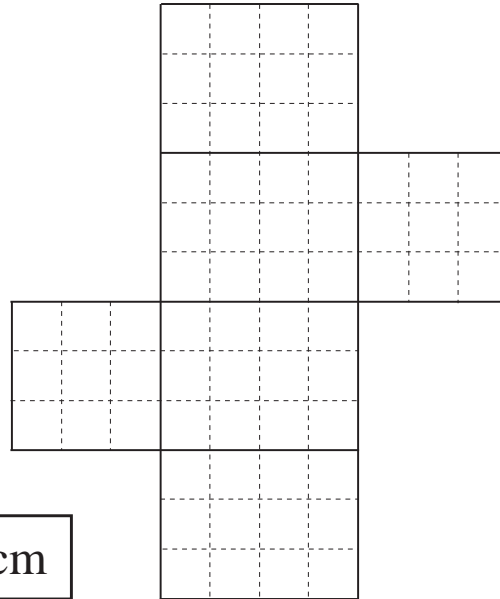
$$A_4 =$$

$$A_5 =$$

①

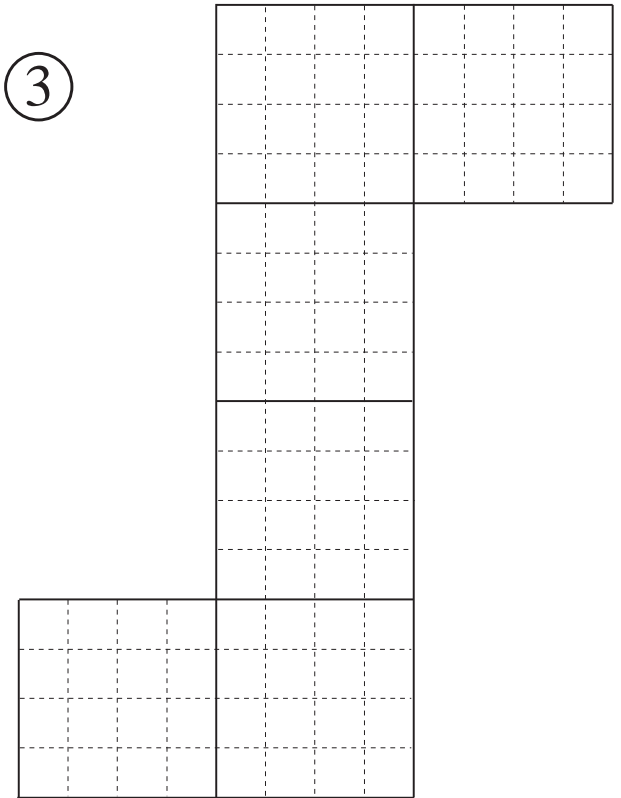


②

*Scale*

Grid unit: 1 cm

③



$A = \dots\dots\dots$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$V = \dots\dots\dots$

$V = \dots\dots\dots$

$V = \dots\dots\dots$

- a) We can work out the **perimeter** of a rectangle if we add the lengths of its sides.

$$P_{\text{rectangle}} = a + b + a + b = 2a + 2b = 2 \times (a + b)$$

$$P_{\text{square}} = a + a + a + a = 4 \times a$$

- b) We can work out the **area** of a rectangle if we multiply two adjacent sides.

$$A_{\text{rectangle}} = a \times b$$

$$A_{\text{square}} = a \times a$$

- c) We can work out the **surface area** of a cuboid if we add the area of its faces.

$$A_{\text{cuboid}} = 2 \times (a \times b + a \times c + b \times c)$$

$$A_{\text{square-based cuboid}} = 2 \times (a \times a) + 4 \times (a \times b)$$

$$A_{\text{cube}} = 6 \times a \times a$$

d) We can work out the **volume** of a cuboid if we multiply the lengths of the 3 edges which meet at a vertex.

$$V_{\text{cuboid}} = a \times b \times c$$

$$V_{\text{square-based cuboid}} = a \times a \times b$$

$$V_{\text{cube}} = a \times a \times a$$

<i>a</i>									
<i>b</i>									
<i>c</i>									

LP 68/3

No. of cards per envelope									
No. of envelopes									

LP 68/7

a)

a	8	0	14	7		13	29		28
b	22	30	16		20			-1	

Rule:

b)

x	26	42	88	110		98	1410		1
y	13	21	44		33			-400	

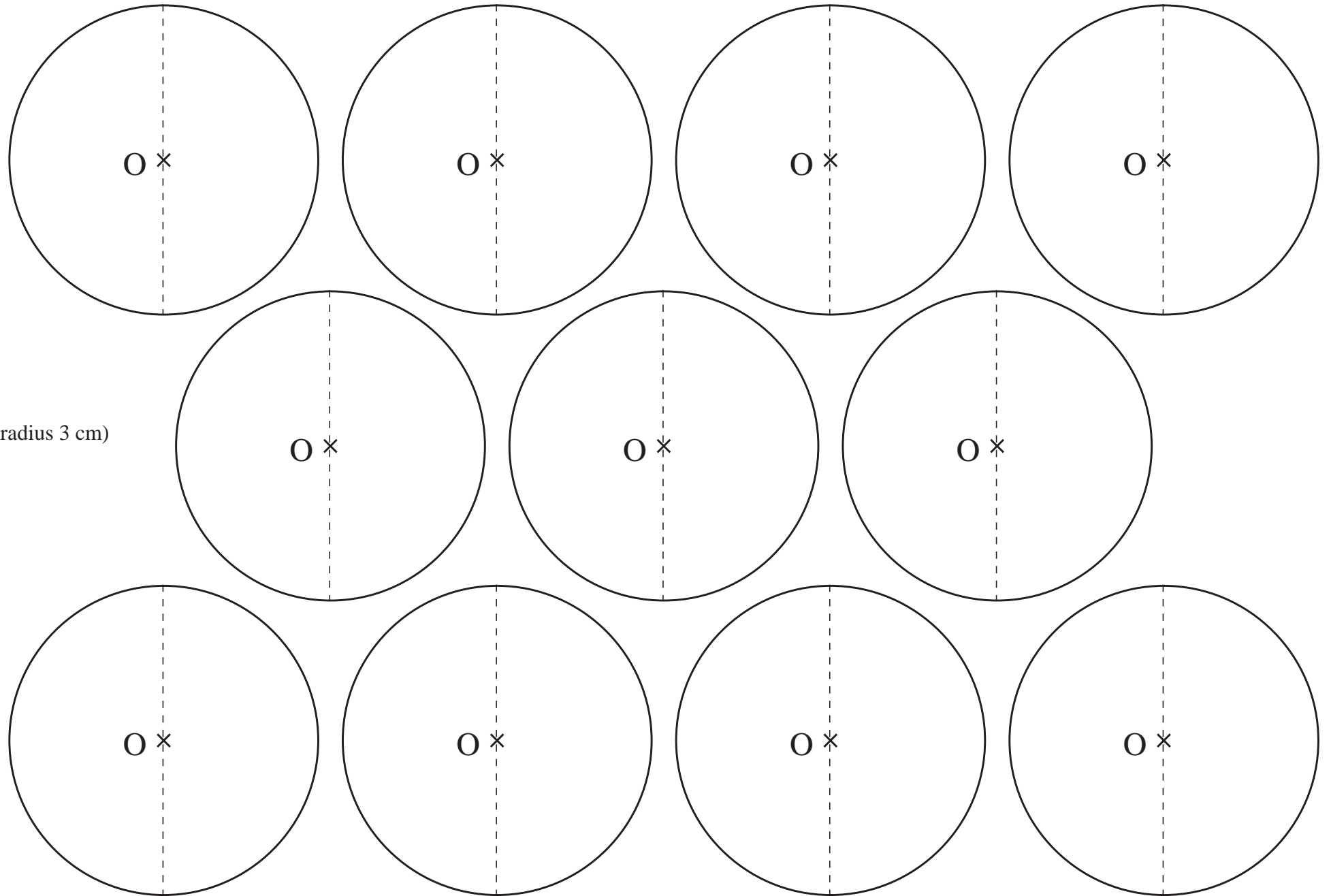
Rule:

x	4	5	2	4	5	10	6		9	
y	2	3	9	7	5			4	0	
z	7	14	17			9	35	19		20

Rule: $z =$

$y =$

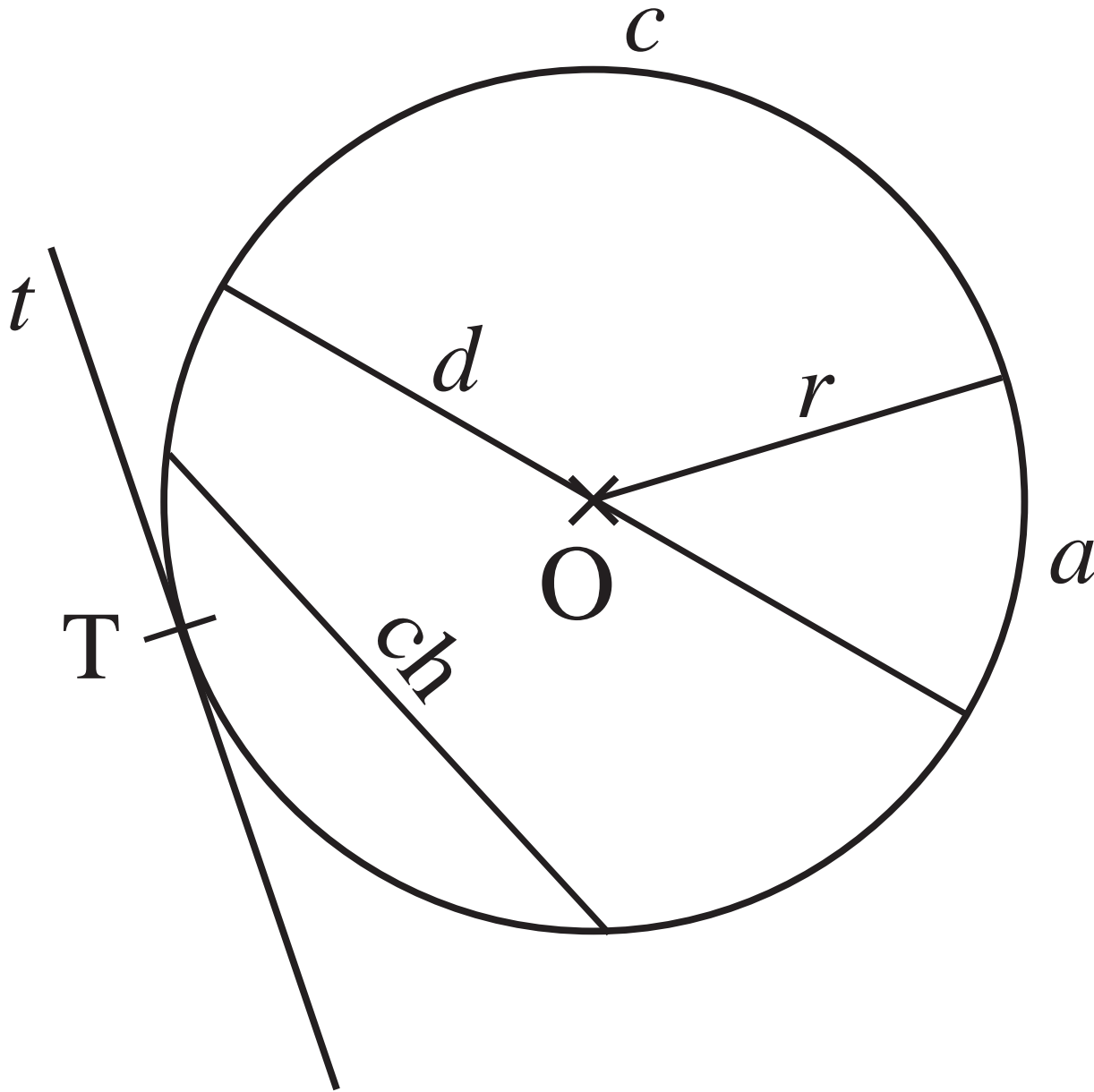
$x =$



(radius 3 cm)

Stick straws behind dotted lines.

- a) The **circumference** of a circle is the set of points in a plane which are a given distance (not zero) from a given point in the **plane**.
- b) A **circle** is the set of points in a plane which are equal to or **less than** a given distance from a point in the plane.
- c) The surface of a sphere is the set of points in **space** which are a given **distance** (not zero) from a given point in space.
- d) A **sphere** is the set of points in space which are equal to or less than a given distance from a **given point** in space.



circumference (c)

centre (O)

radius (r)

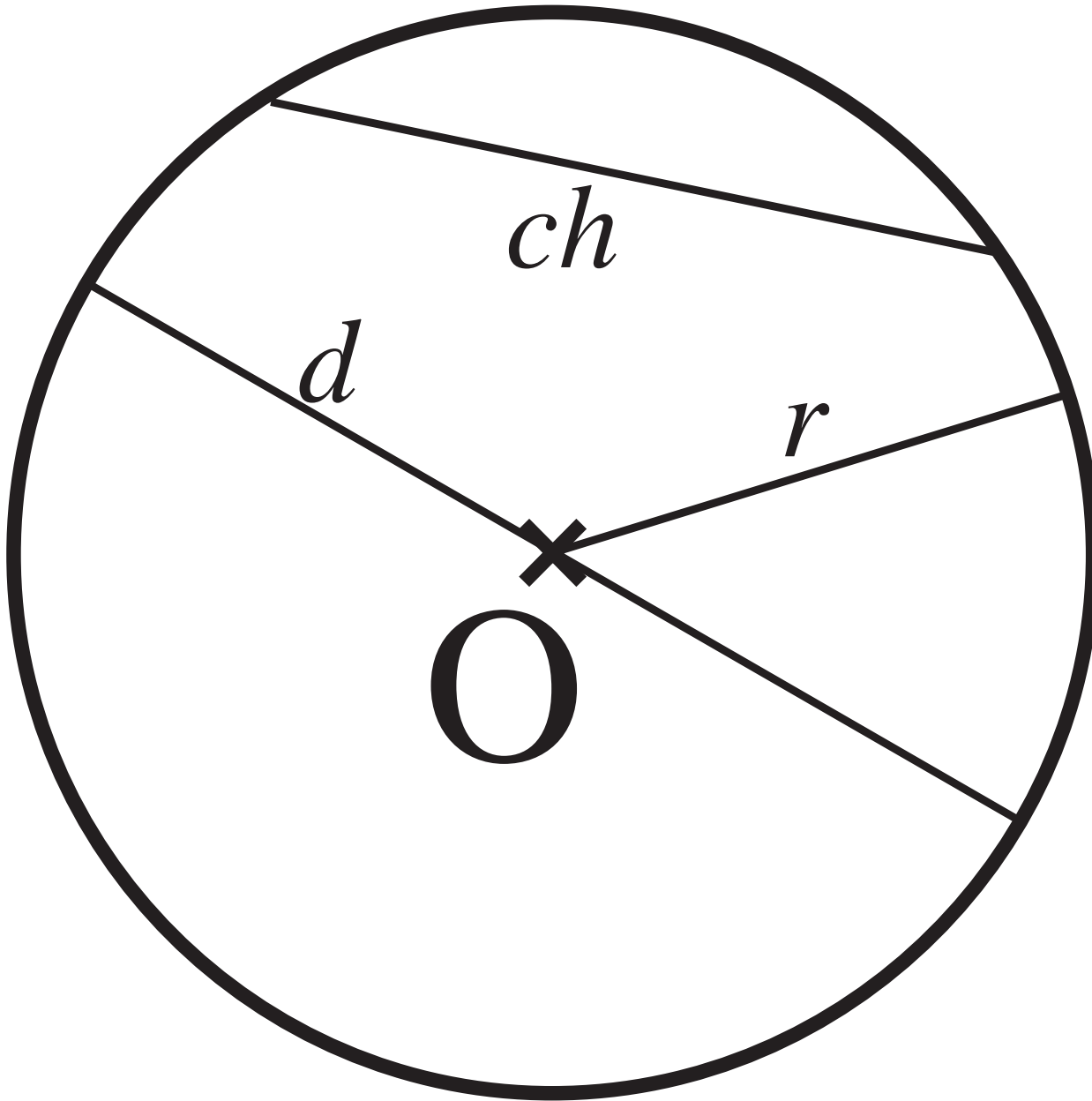
diameter (d)

arc (a)

chord (ch)

tangent (t)

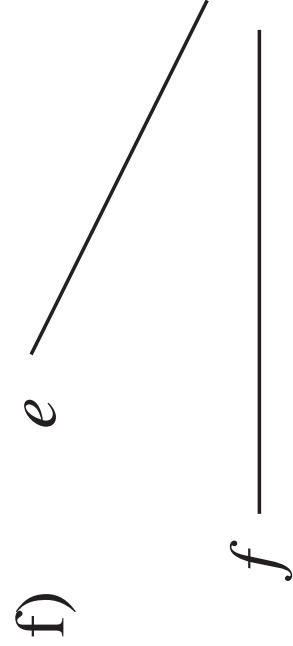
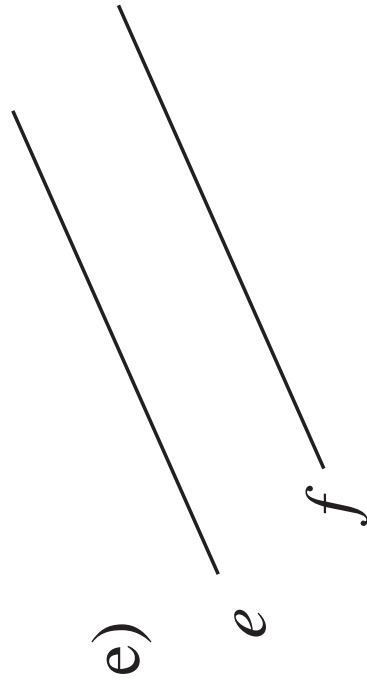
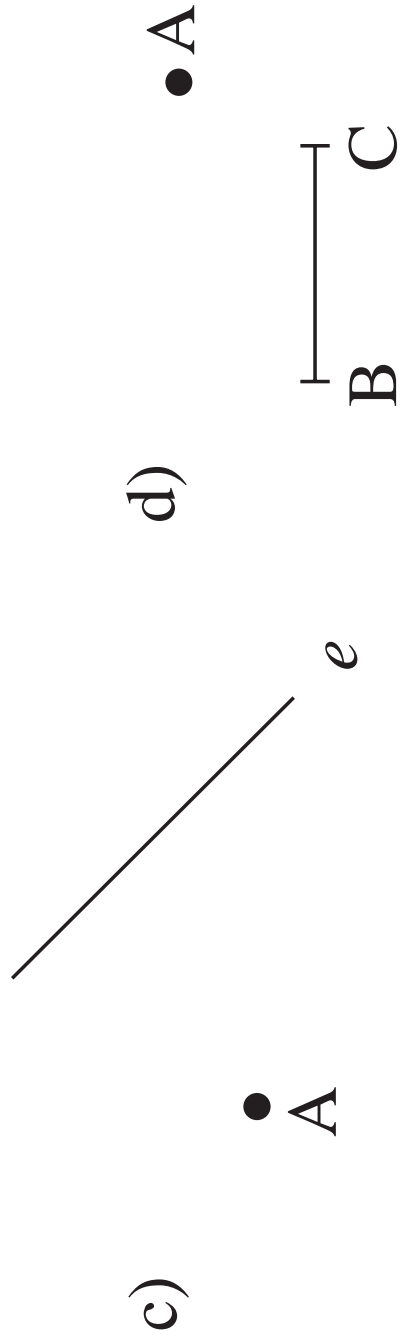
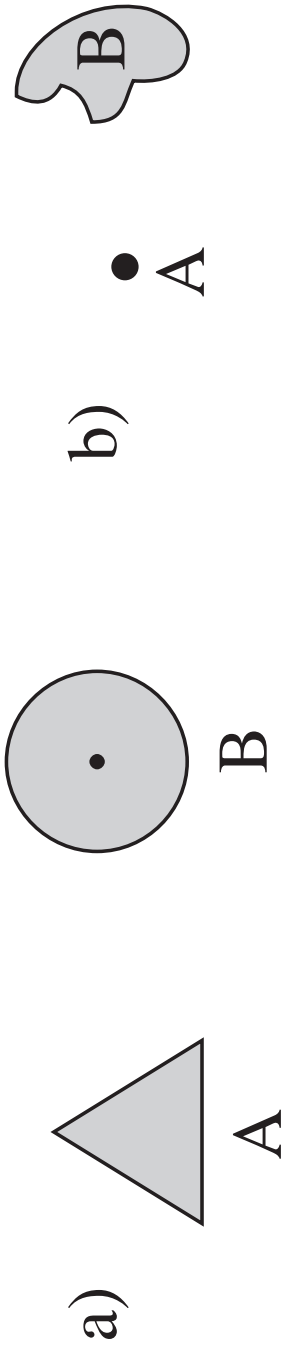
tangent point (T)

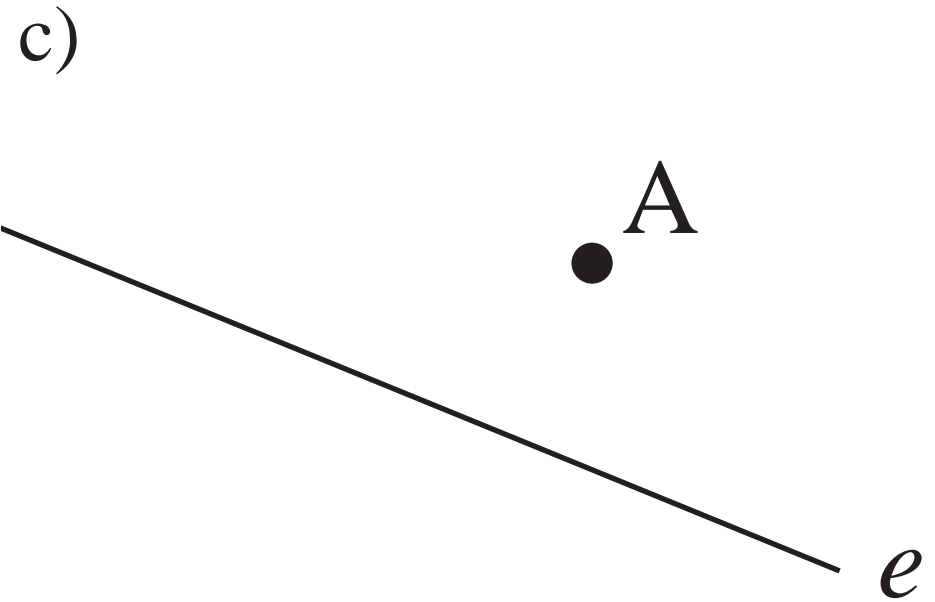
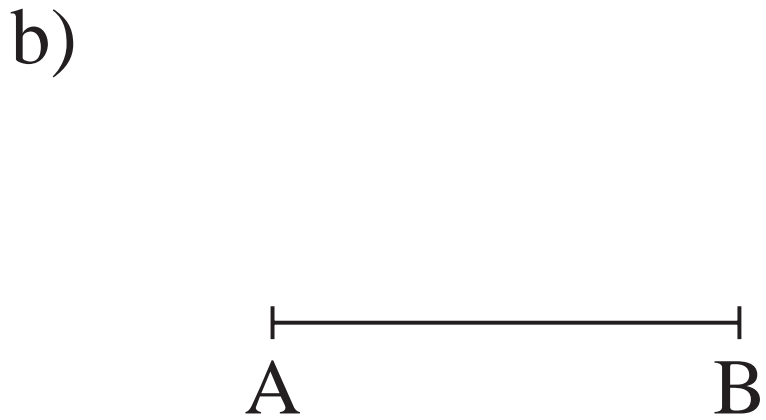
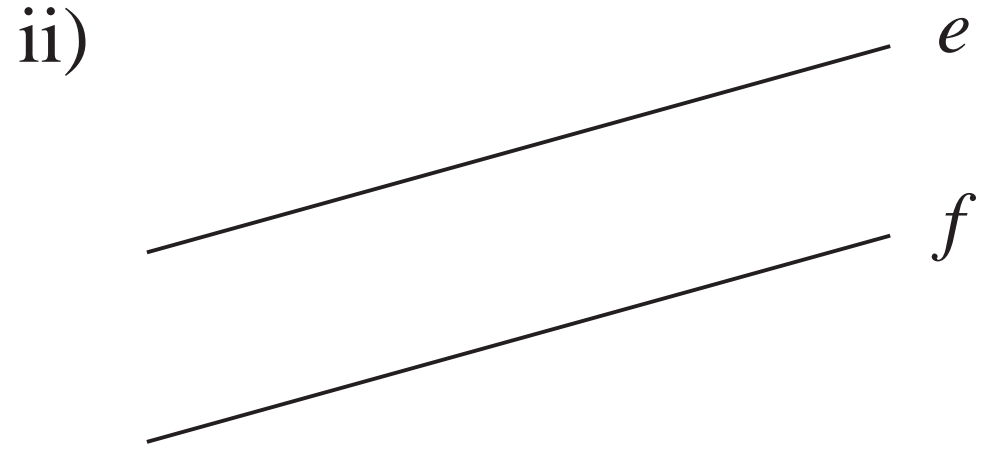
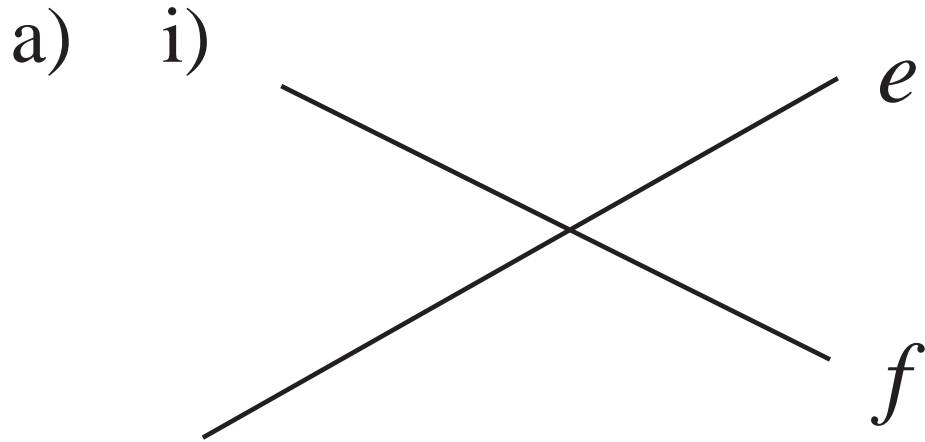


sector

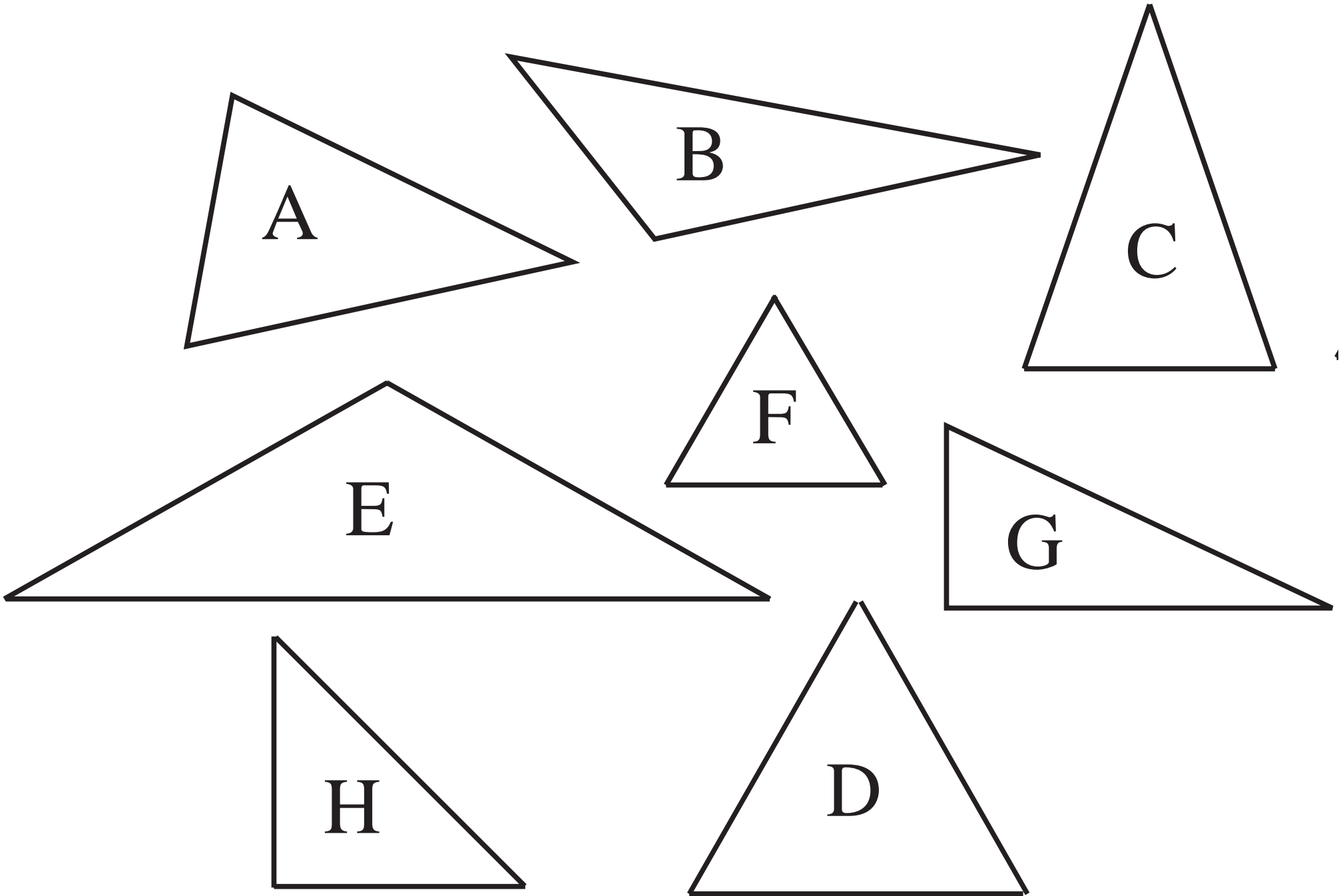
segment

semi-circle

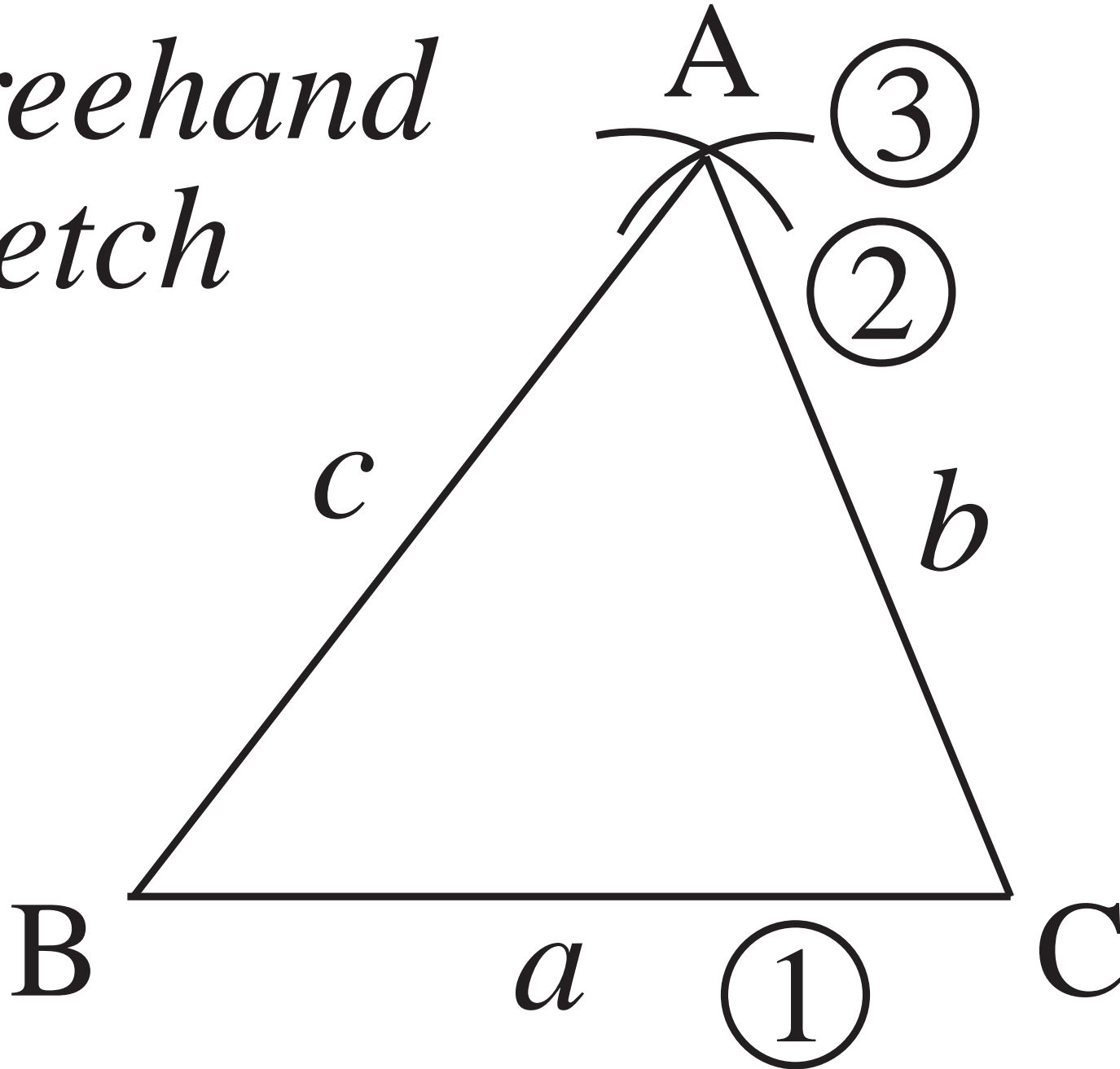




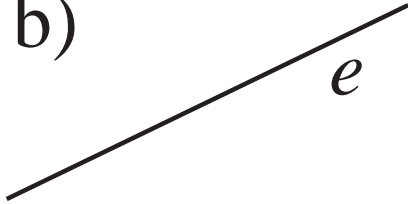
- a) The **circumference** of a circle is the set of points in a plane which are an equal distance from the
.....
- b) The of a circle is a
..... which connects the centre of the circle with a point on the circumference.
- c) A **sphere** is the set of points which are not
than a given distance from a point in space, as long as the given distance is not zero.

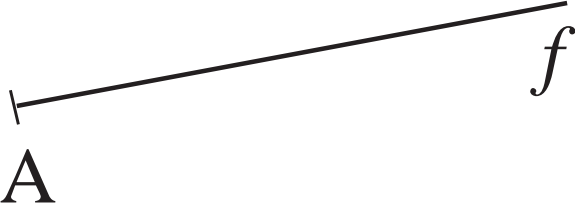


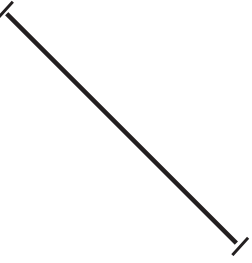
Freehand sketch

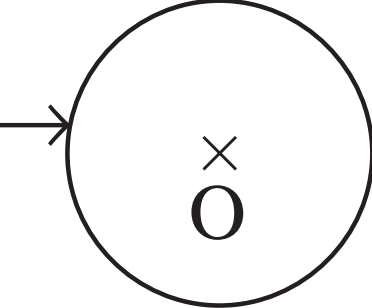


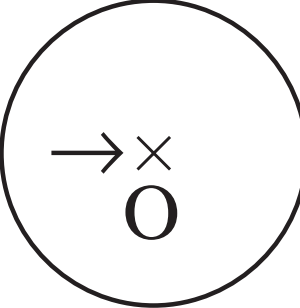
a) \times
P

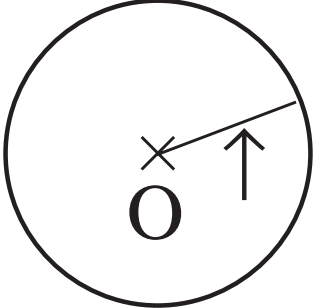
b)  e

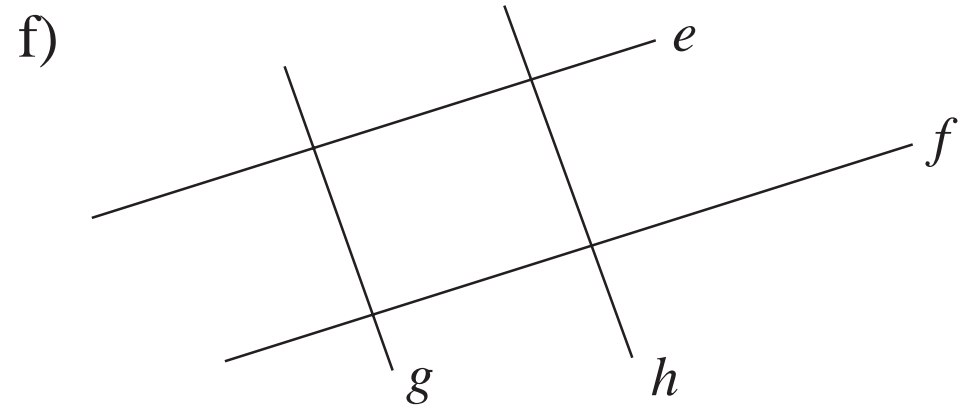
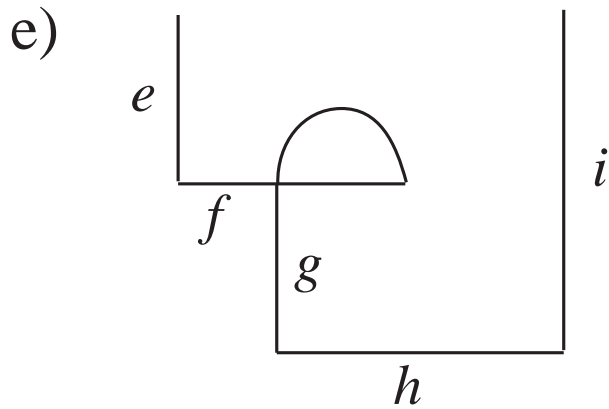
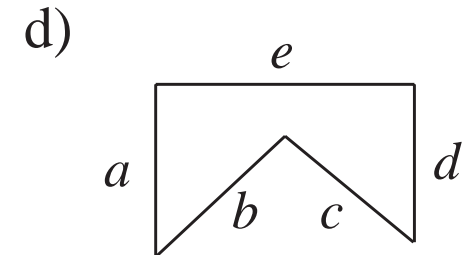
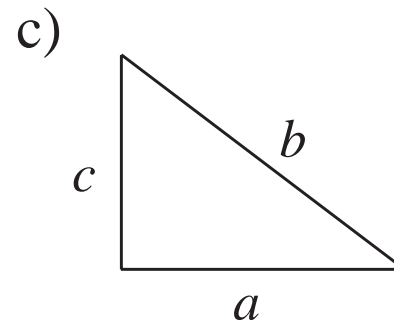
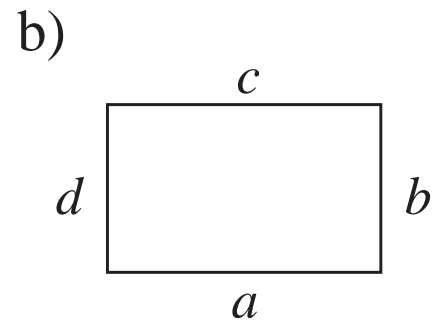
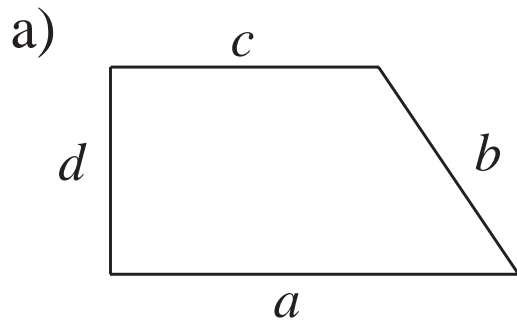
c)  f
A

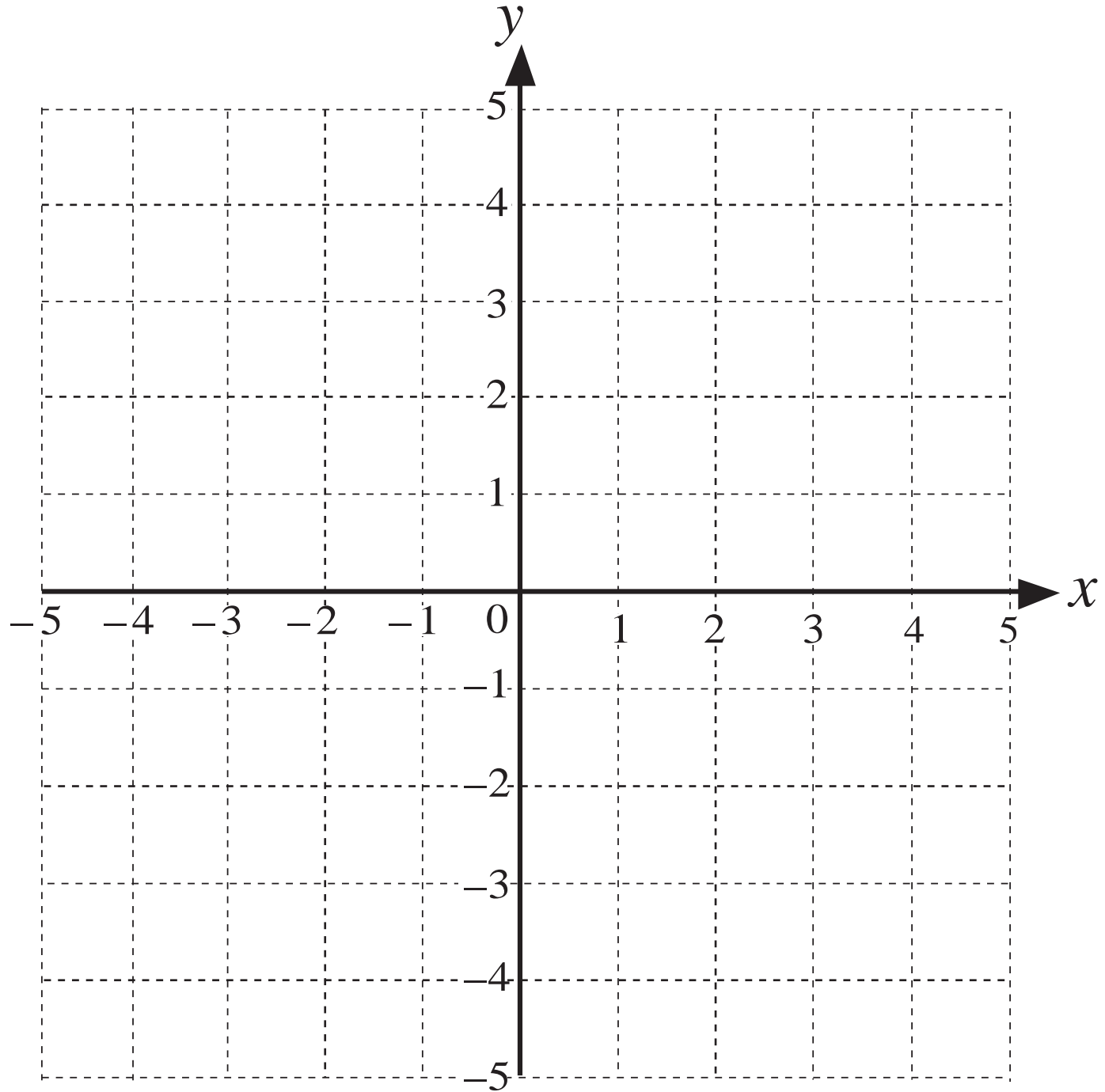
d)  B
A

e) 

f) 

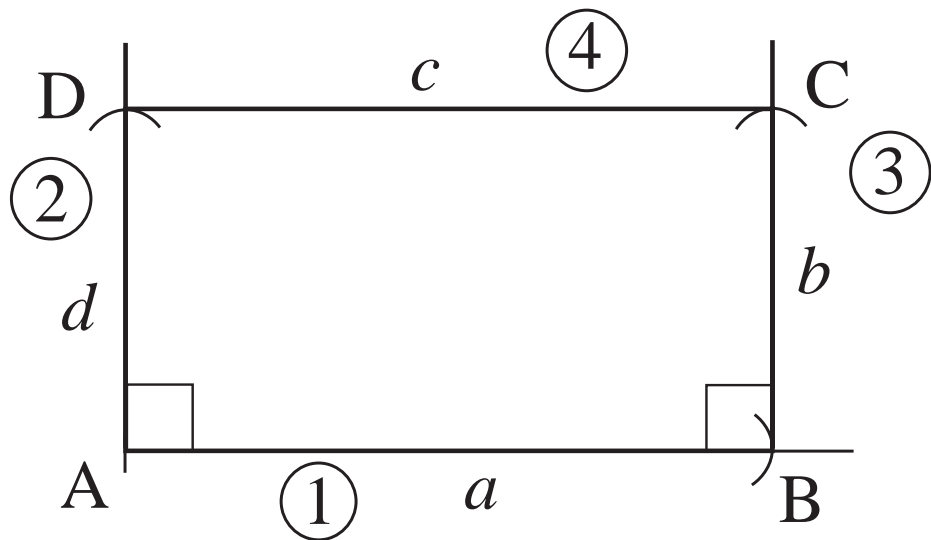
g) 



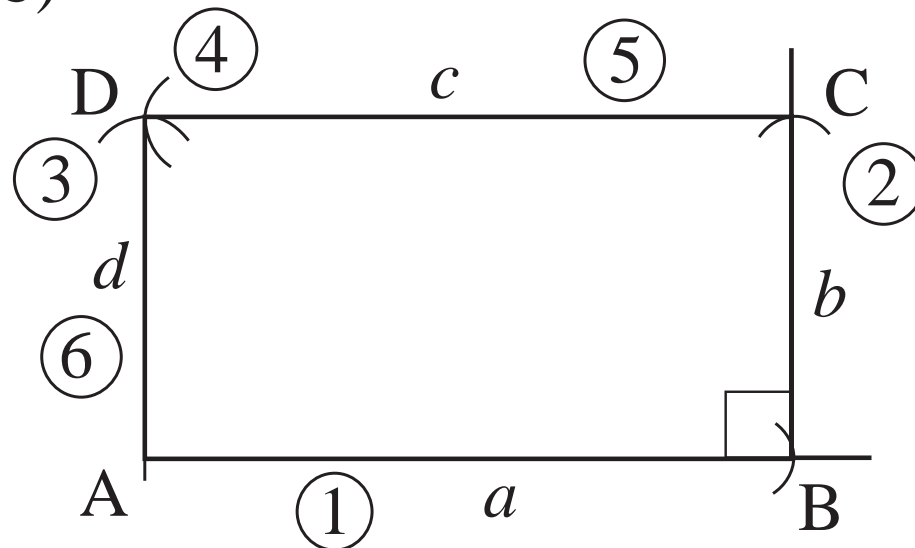




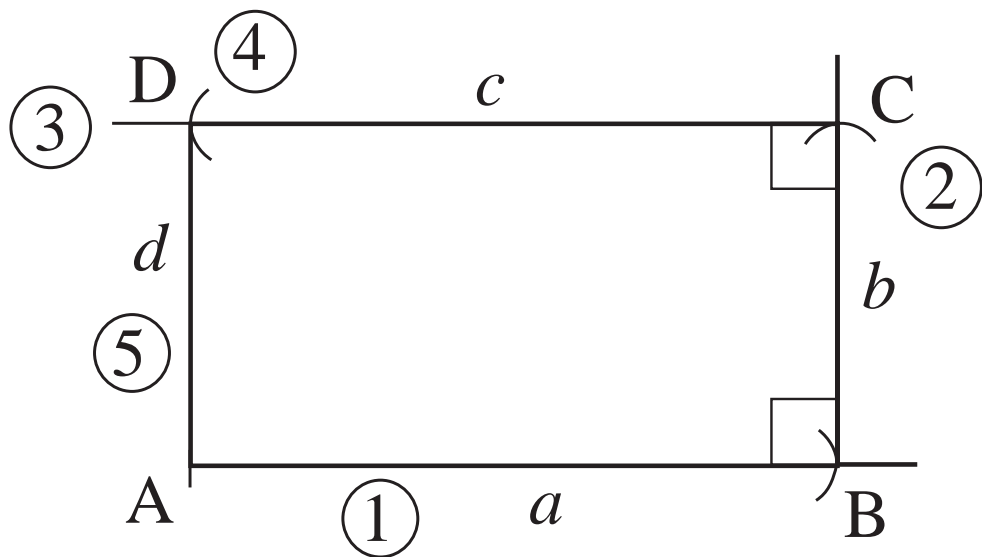
a)



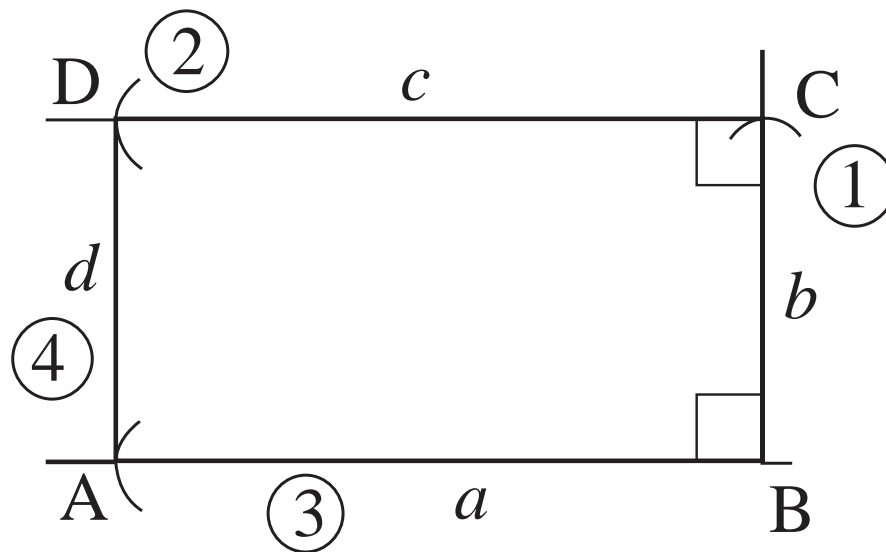
b)

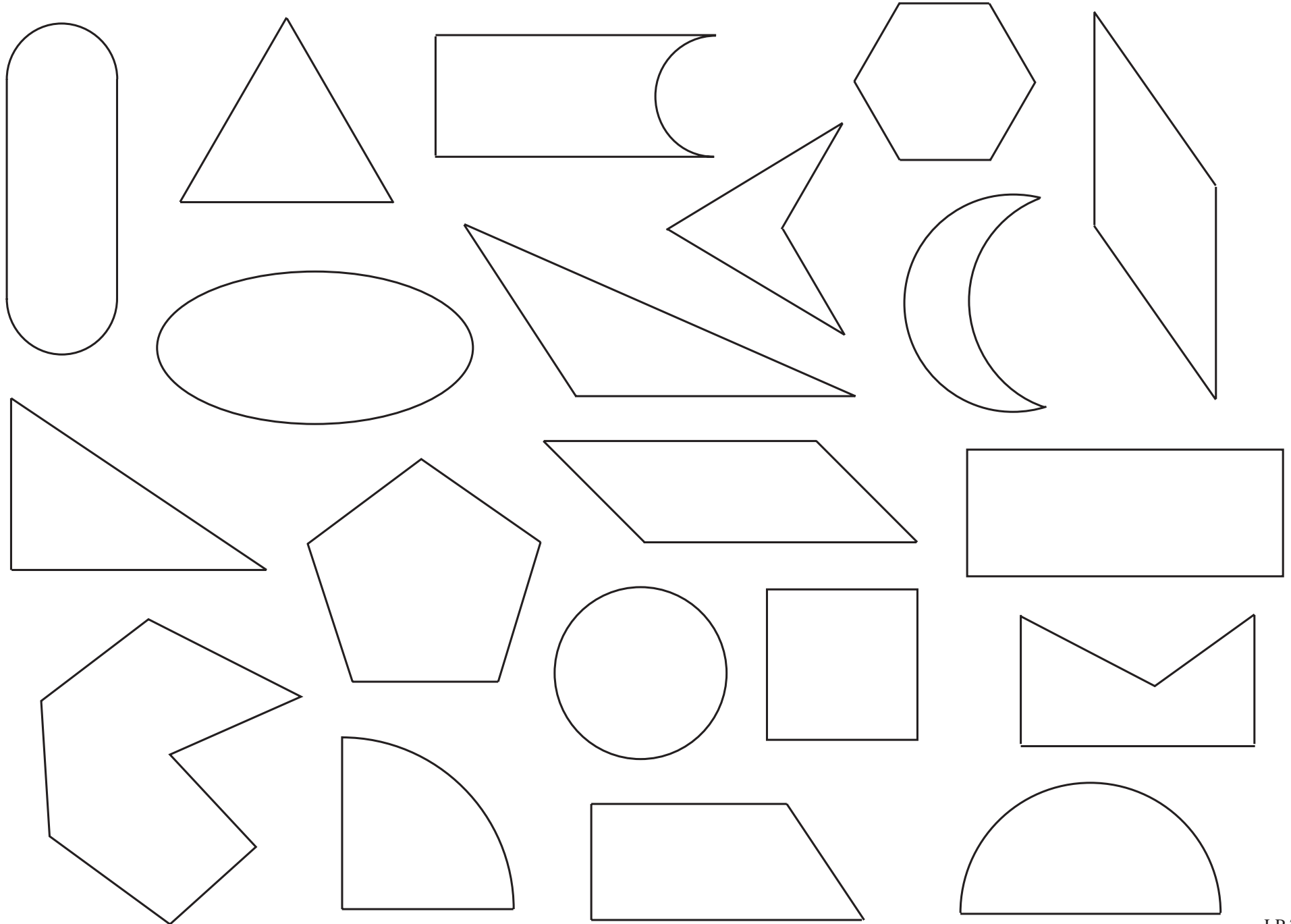


c)

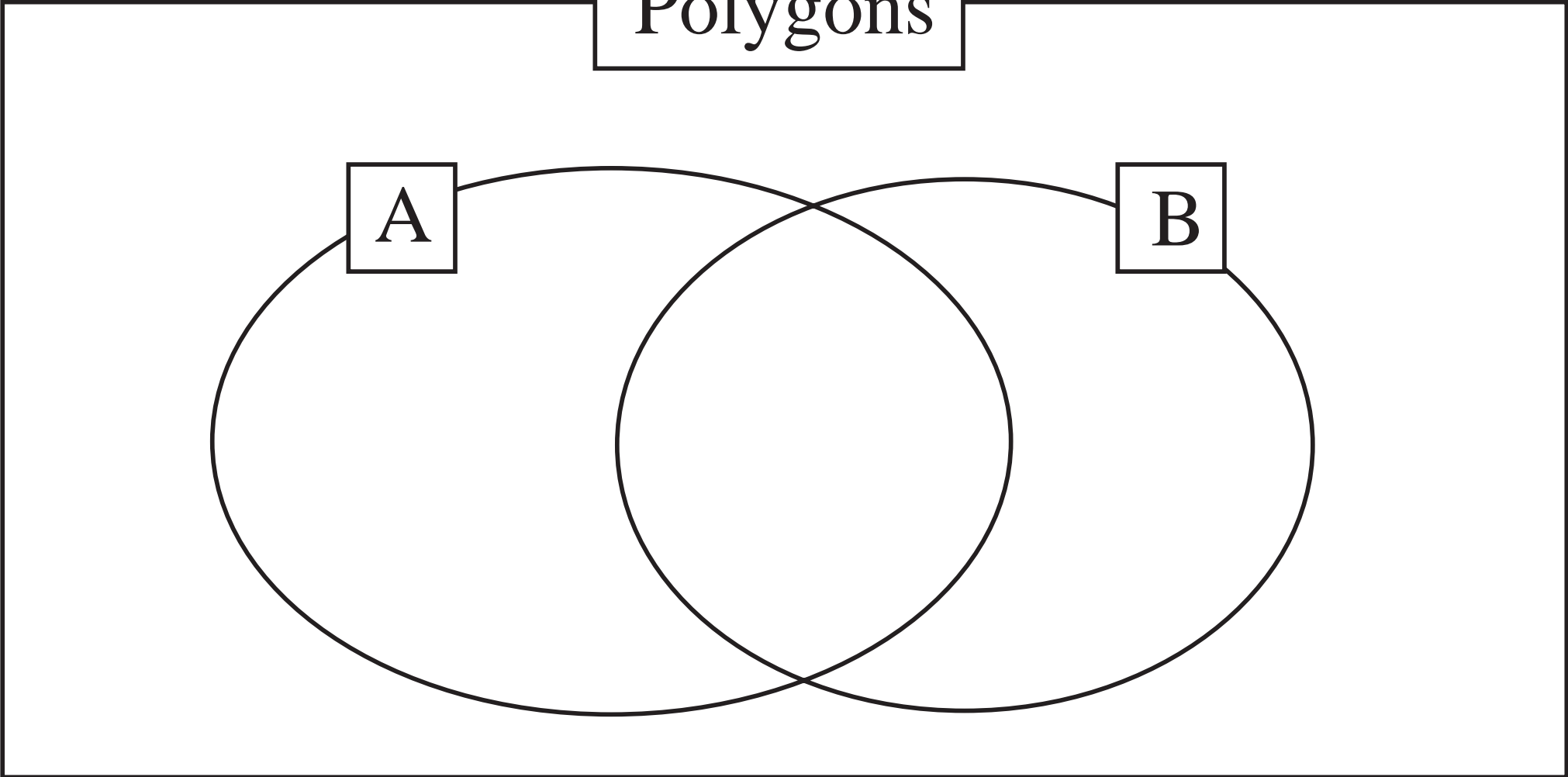


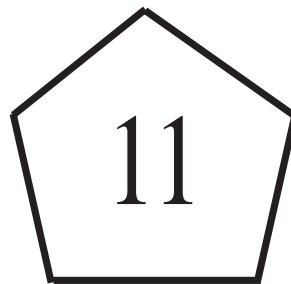
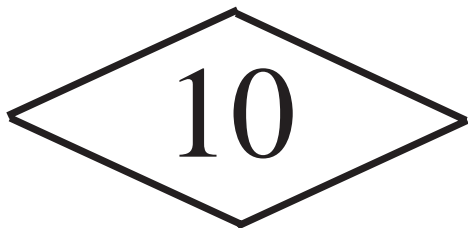
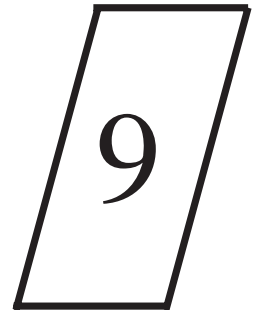
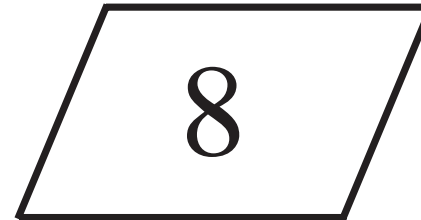
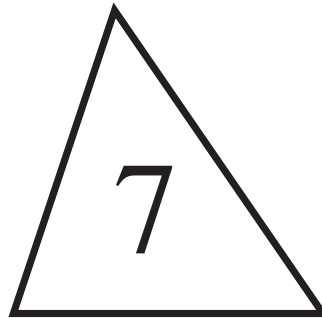
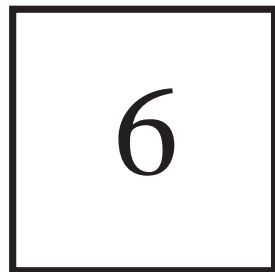
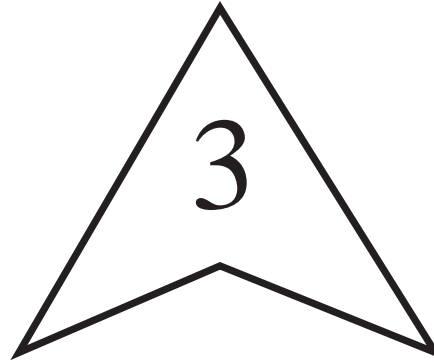
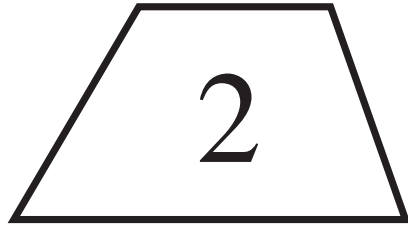
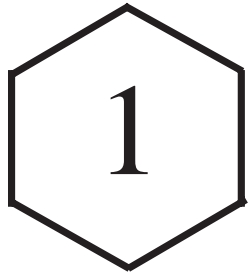
d)

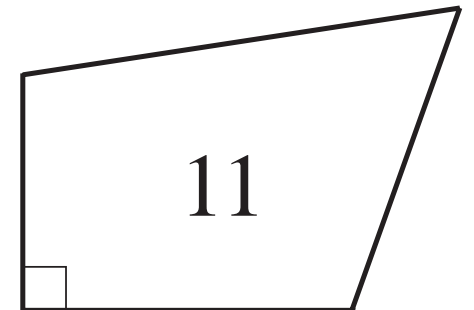
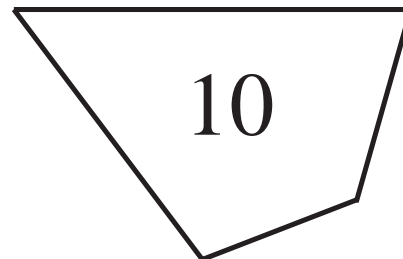
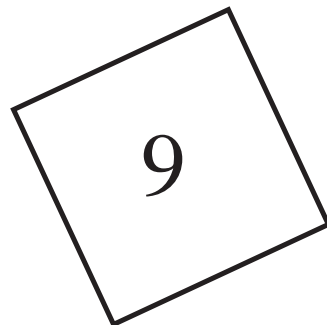
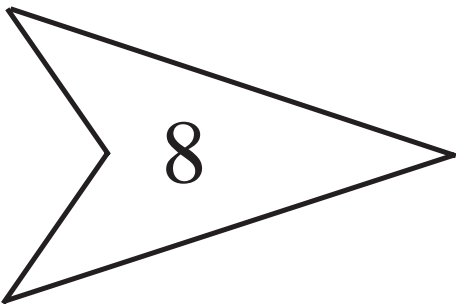
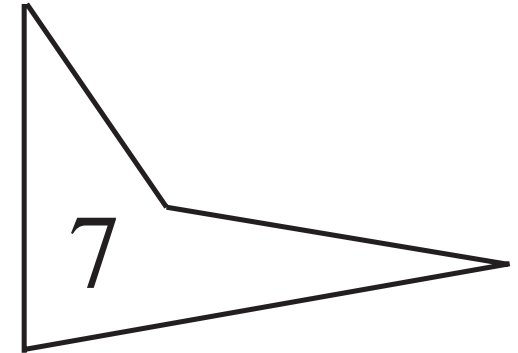
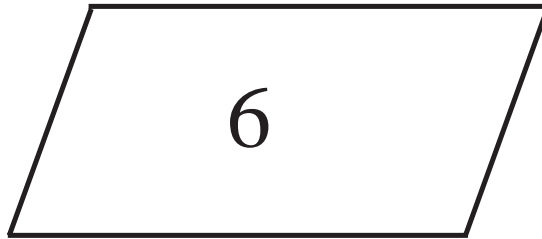
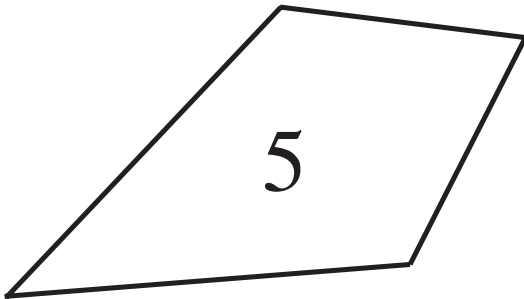
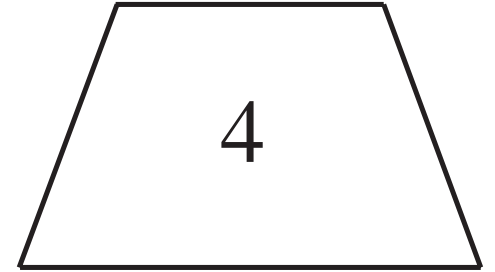
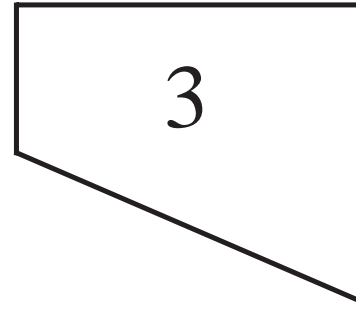
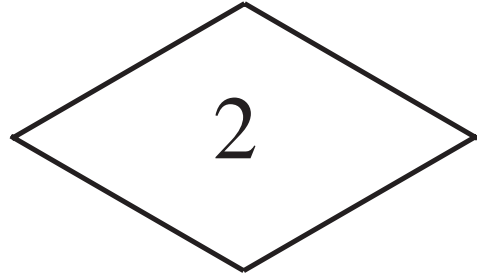
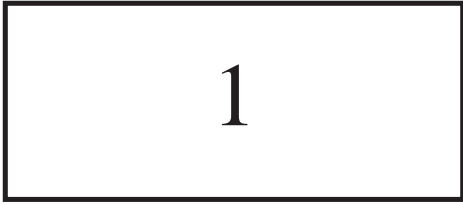


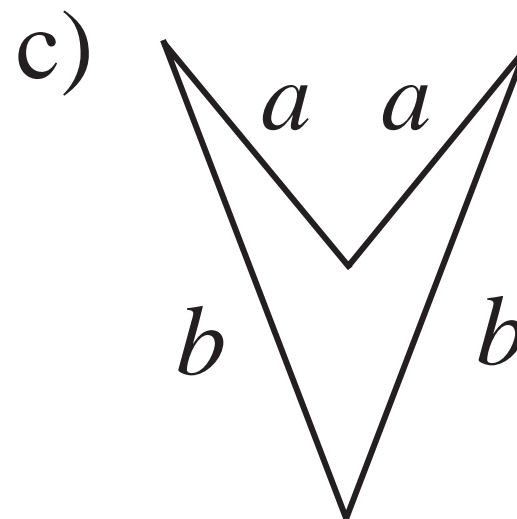
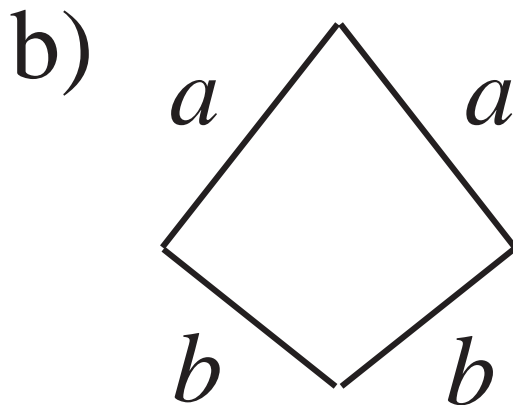
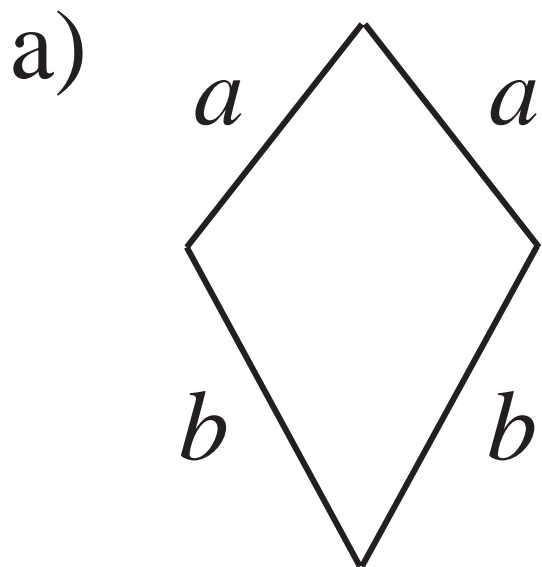


Polygons

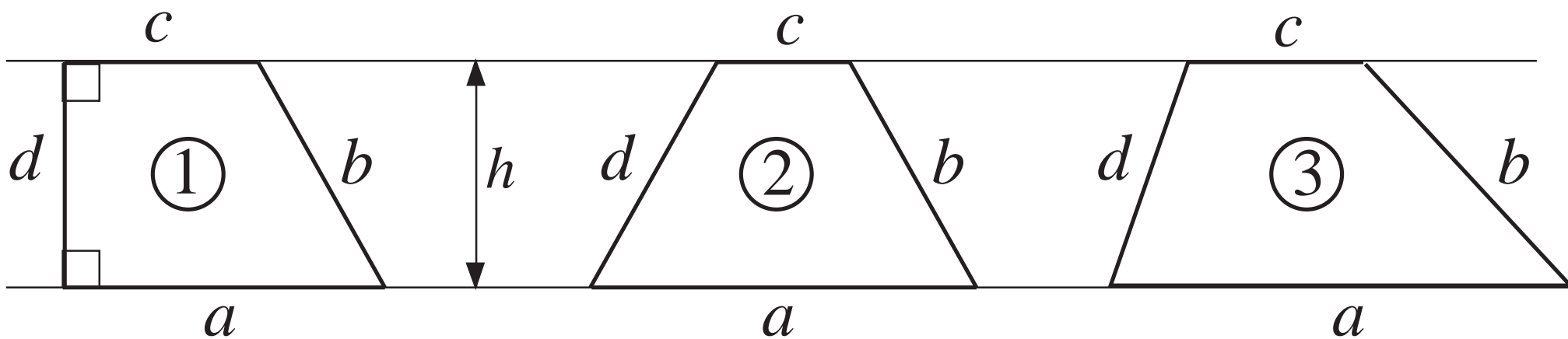




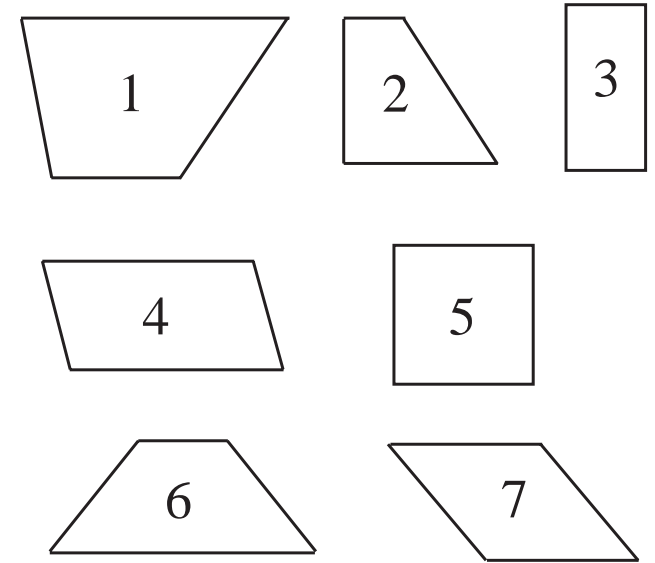
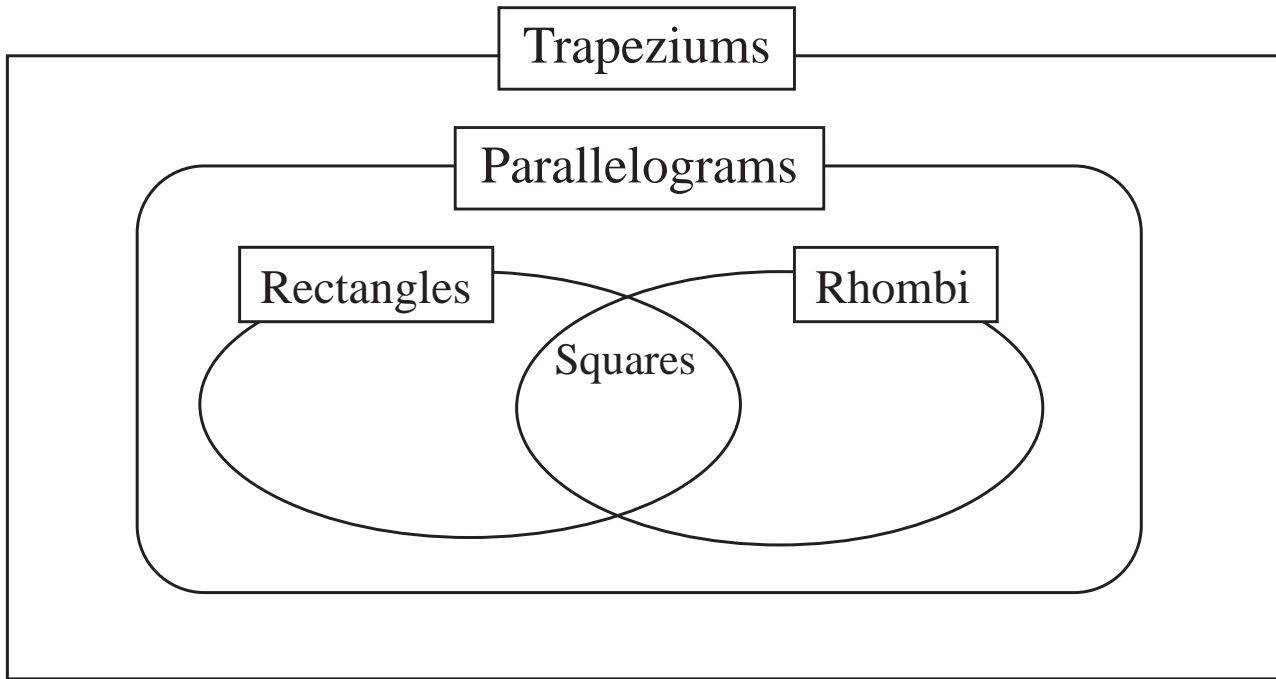




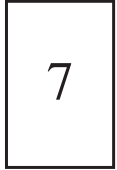
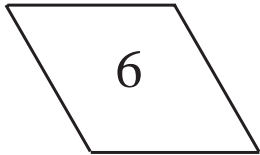
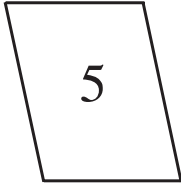
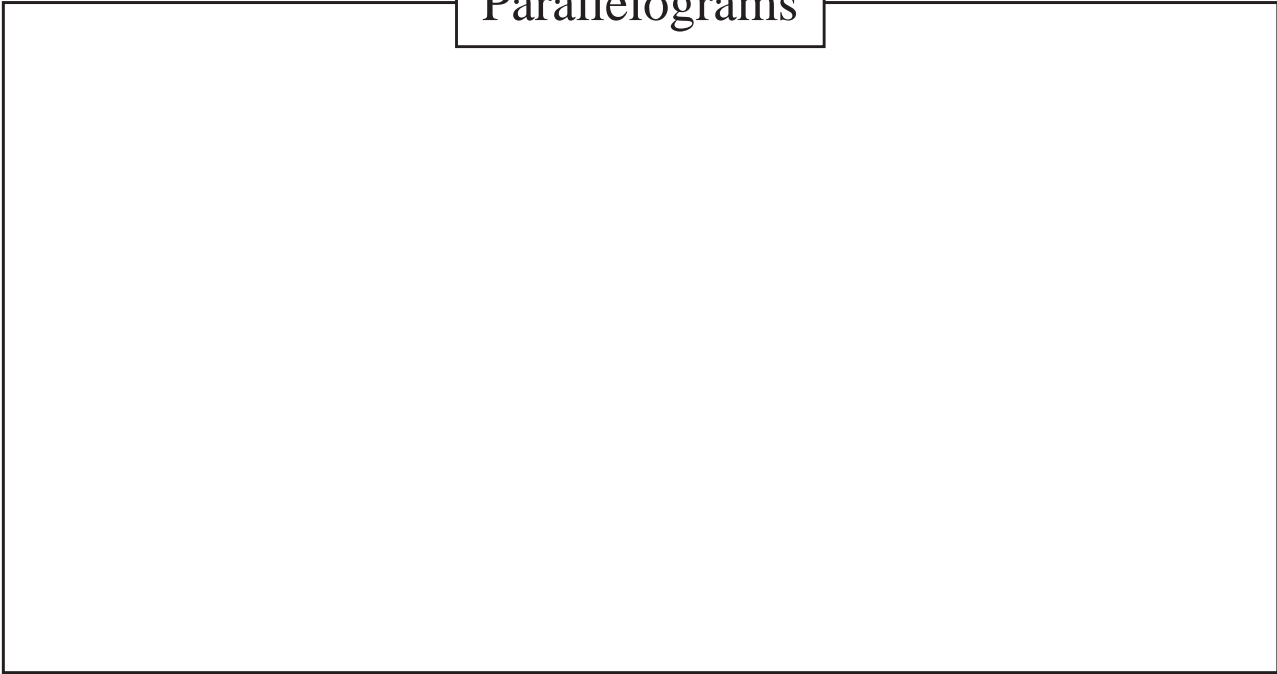
LP 76/7



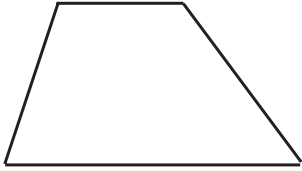
LP 77/3



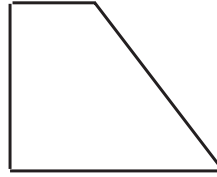
Parallelograms



i)

 $P =$

ii)

 $P =$

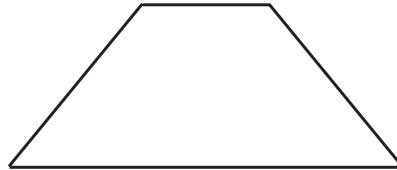
iii)

 $P =$

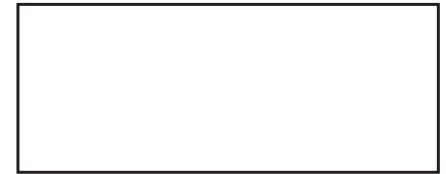
iv)

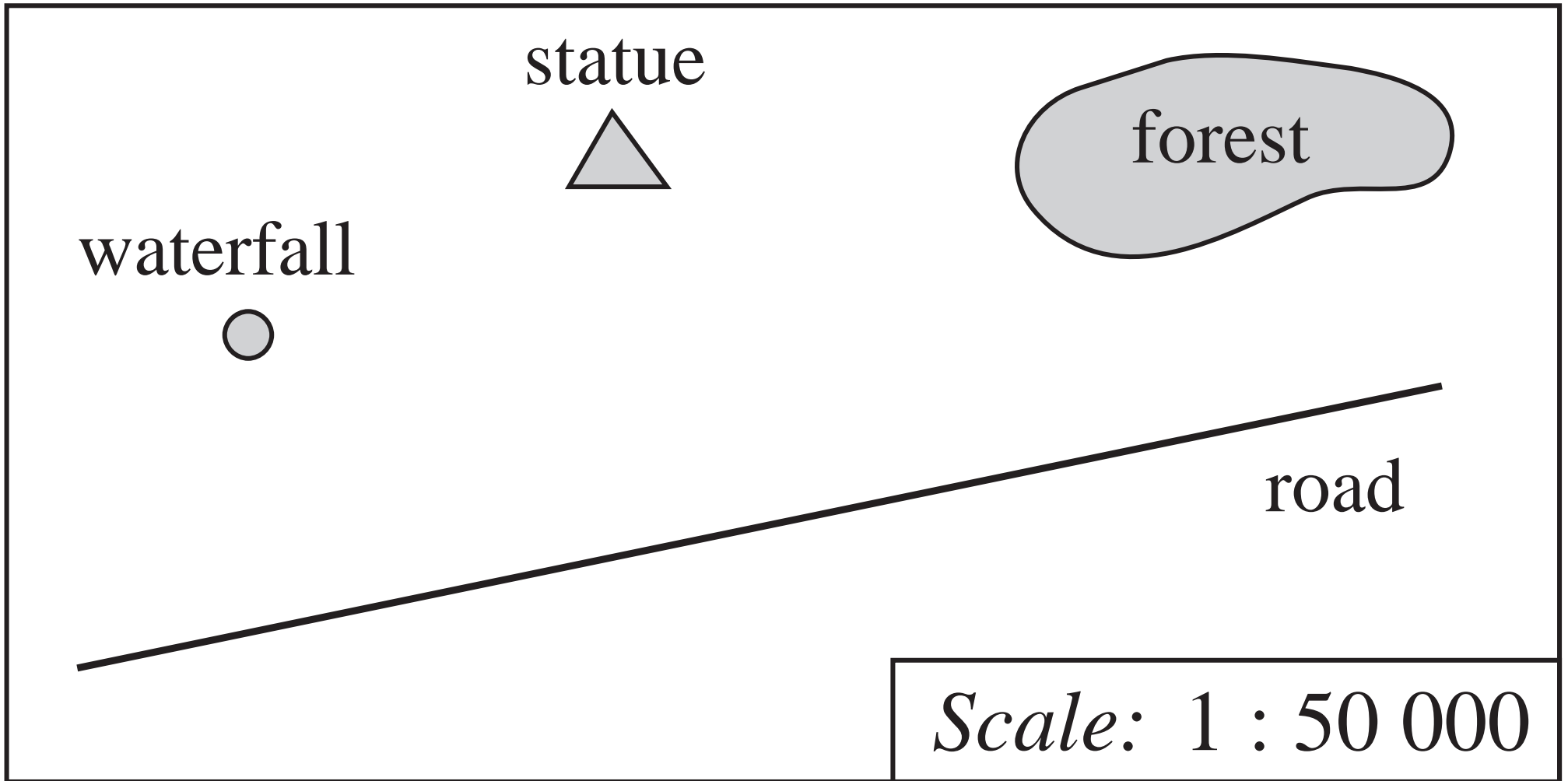
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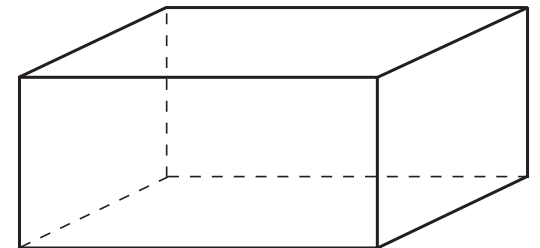
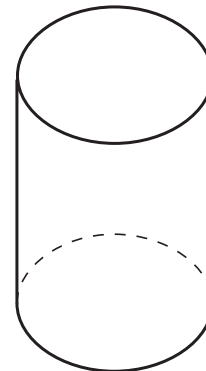
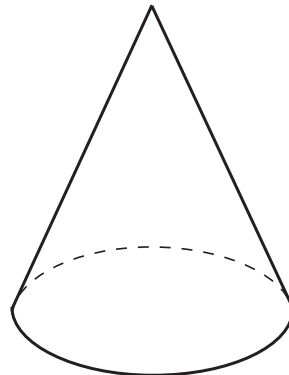
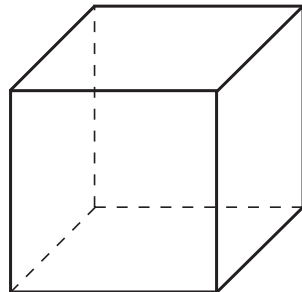
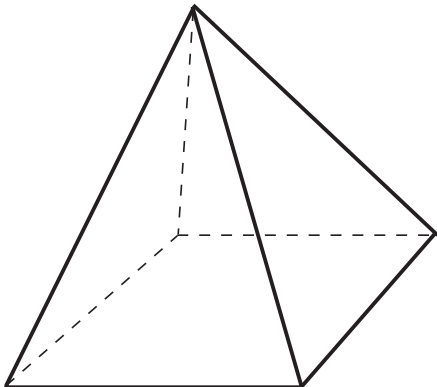
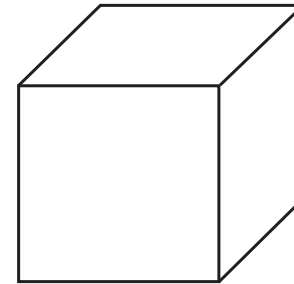
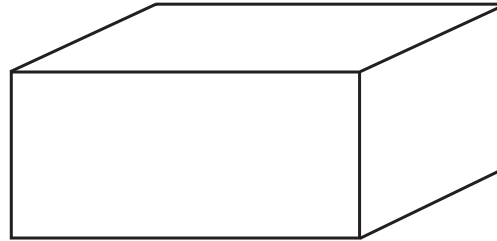
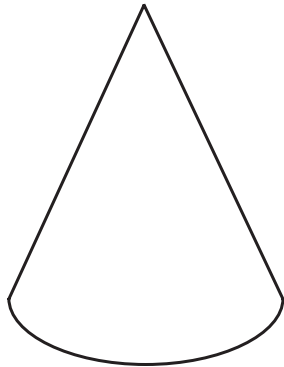
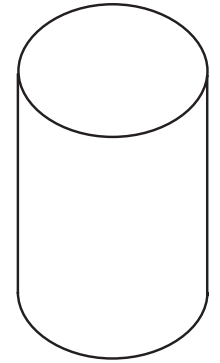
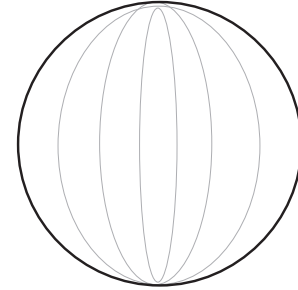
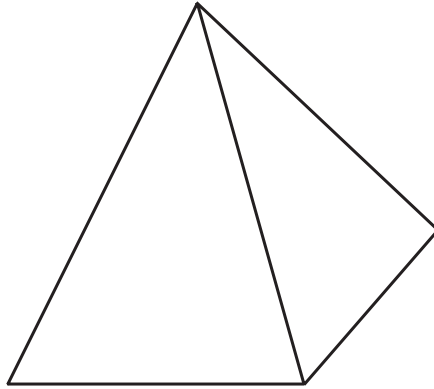
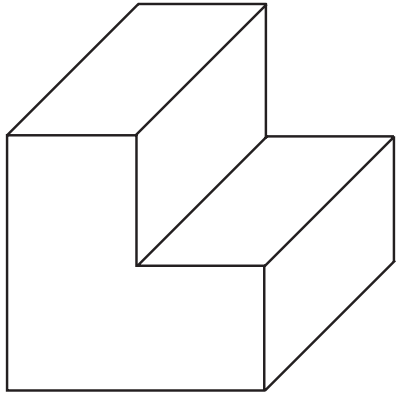
v)

 $P =$

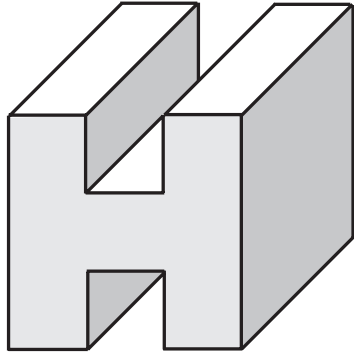
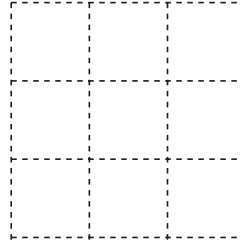
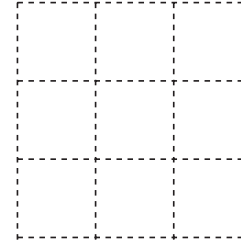
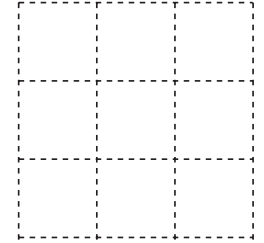
vi)

 $P =$



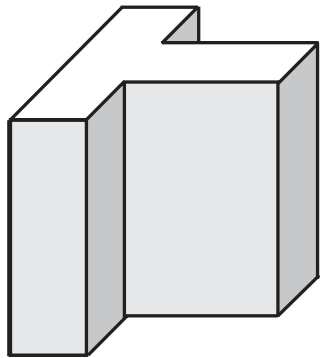
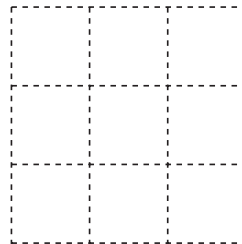
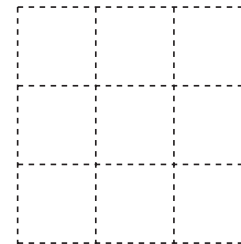
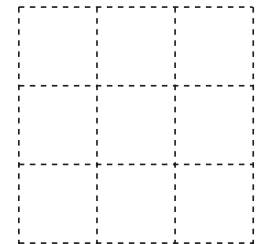


a)

*Front view**Side view**Top view*

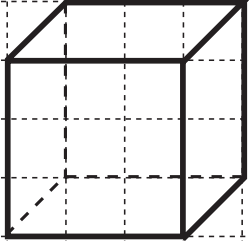
Volume =

b)

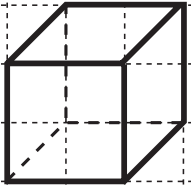
*Front view**Side view**Top view*

Volume =

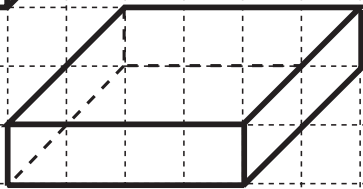
a)



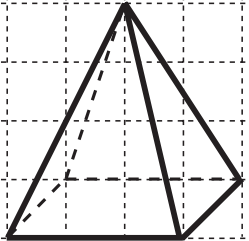
b)



c)



d)



Name:

$$v = \square \quad e = \square \quad f = \square$$

Name:

$$v = \square \quad e = \square \quad f = \square$$

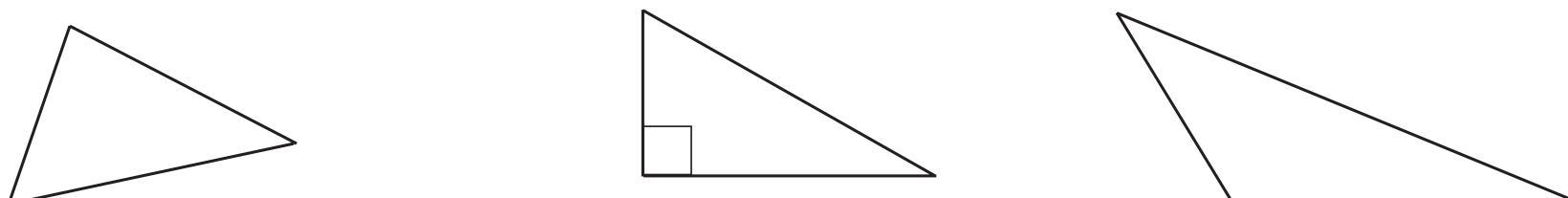
Name:

$$v = \square \quad e = \square \quad f = \square$$

Name:

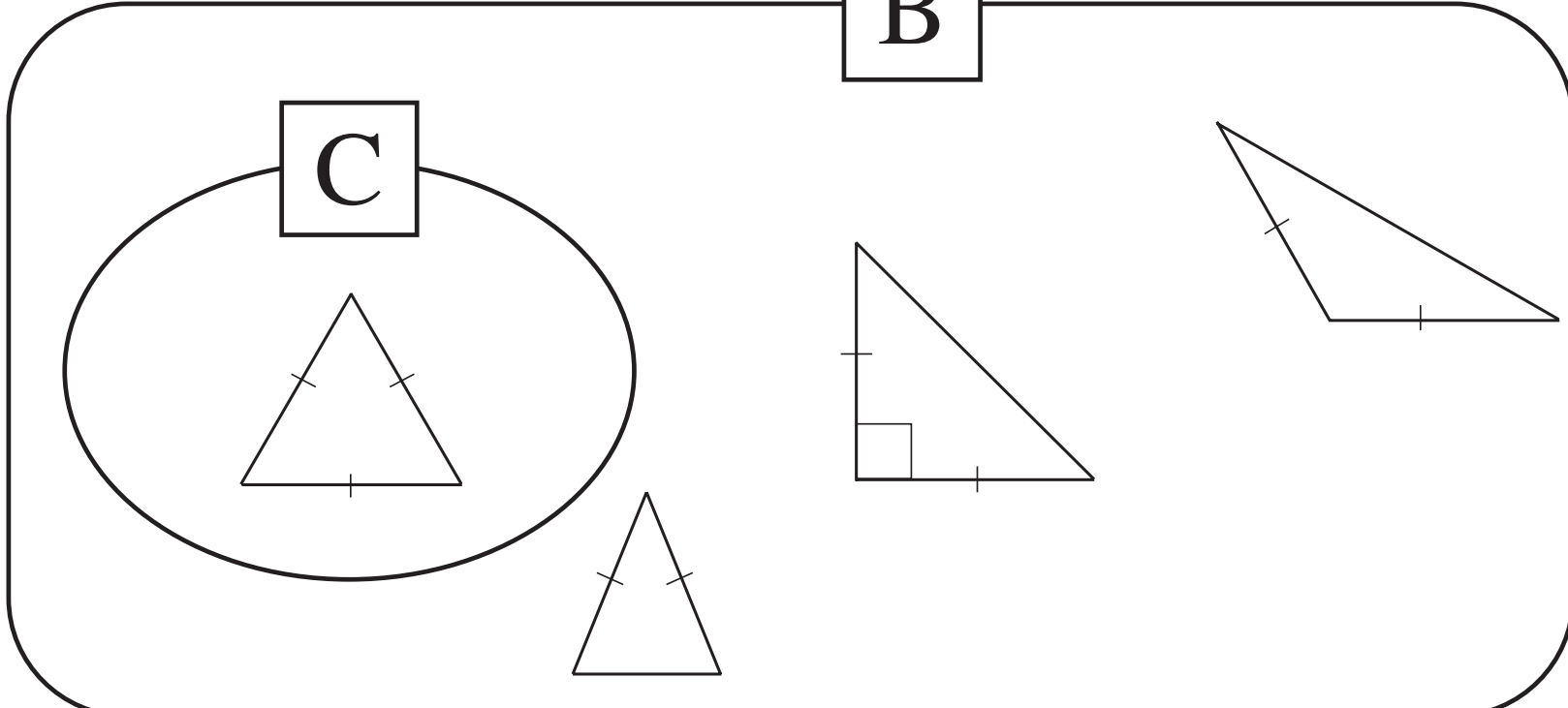
$$v = \square \quad e = \square \quad f = \square$$

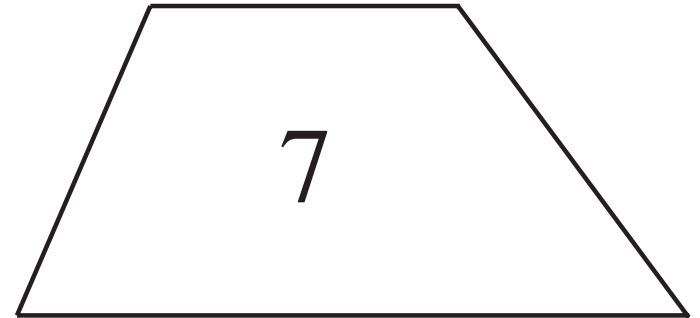
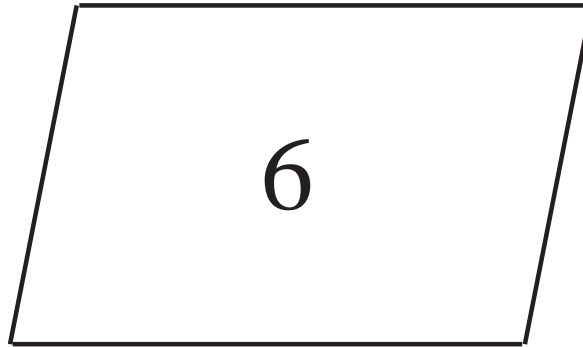
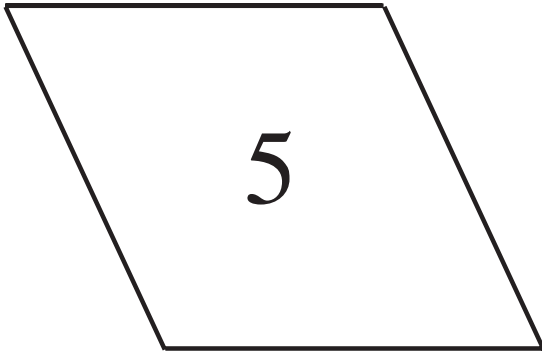
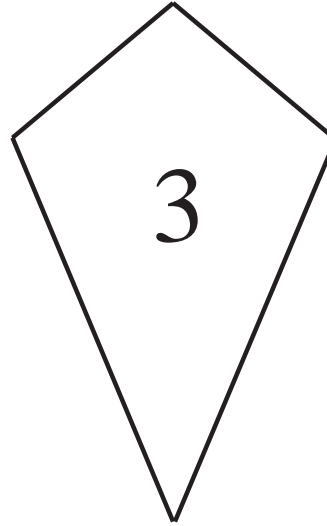
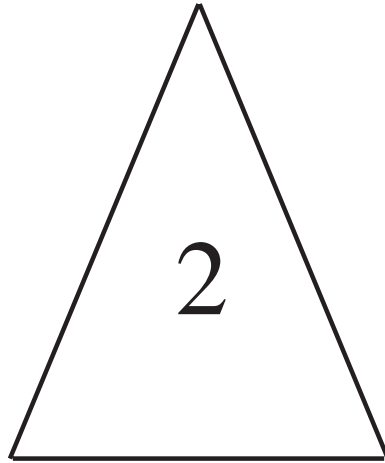
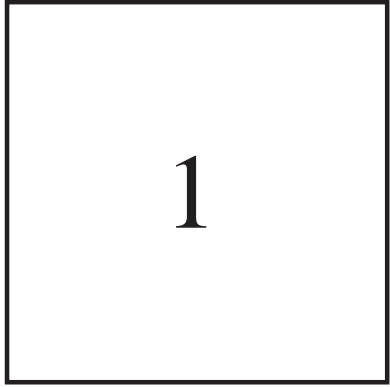
A

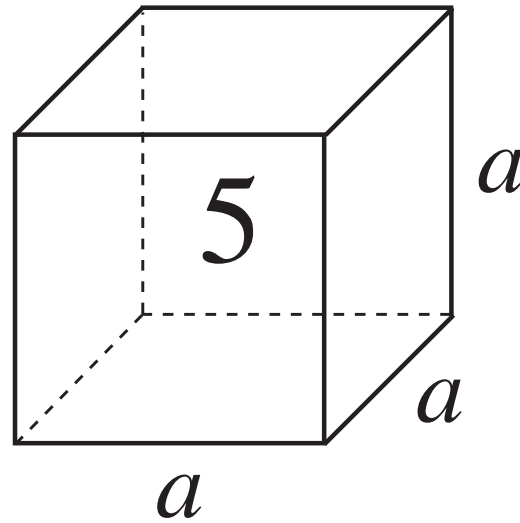
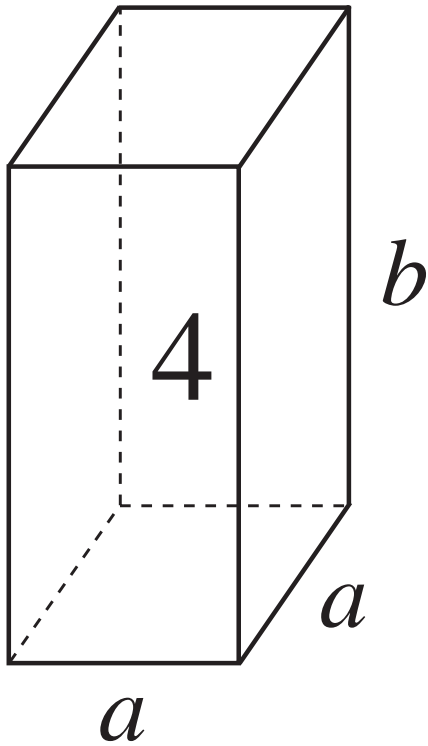
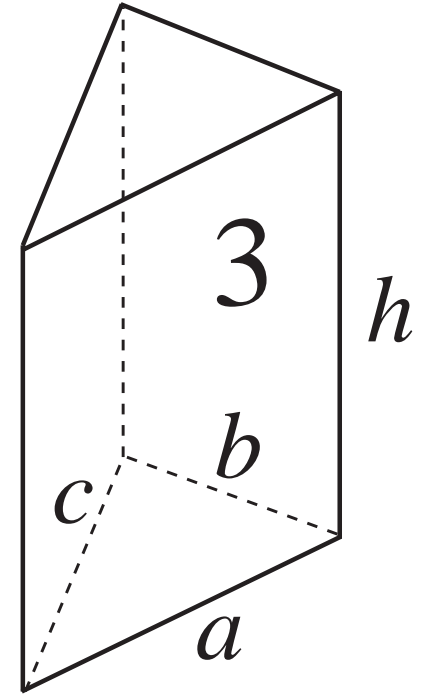
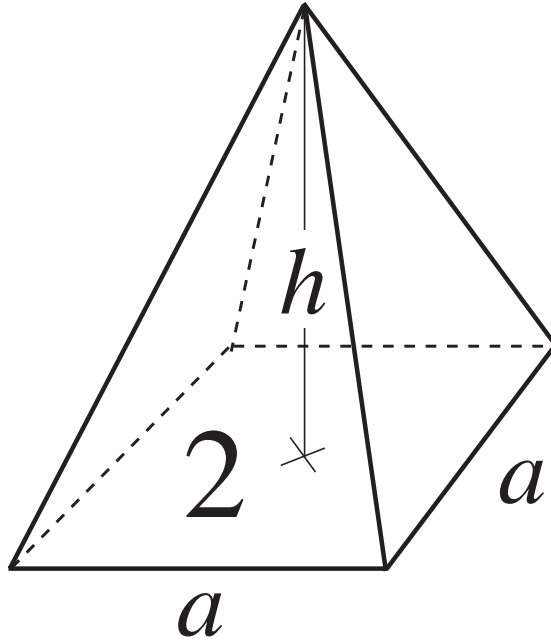
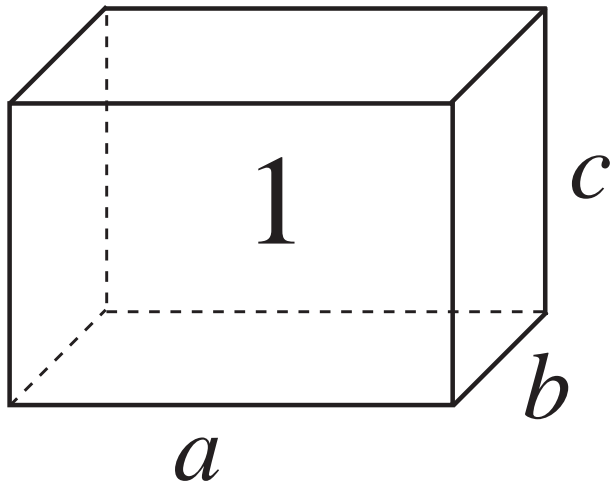


B

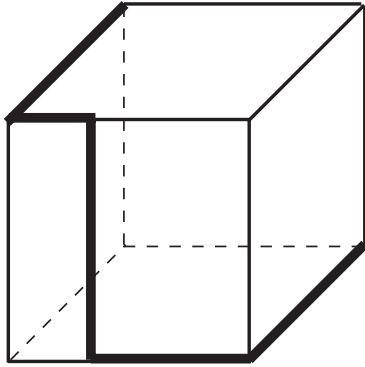
C



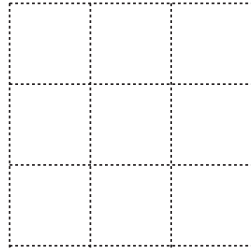




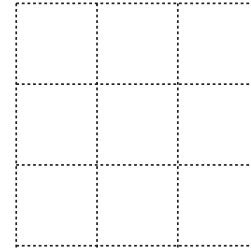
a)



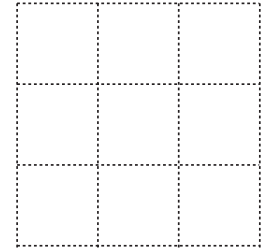
Front view



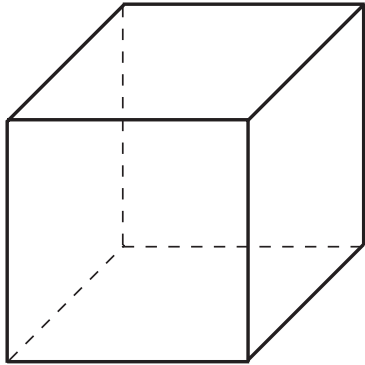
Side view



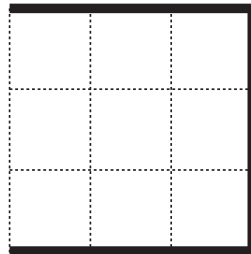
Top view



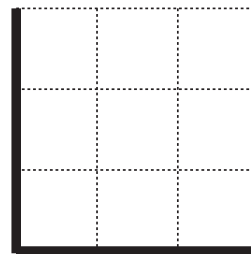
b)



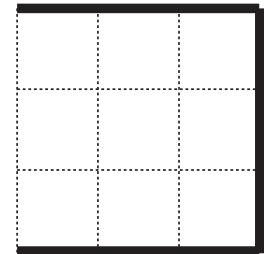
Front view



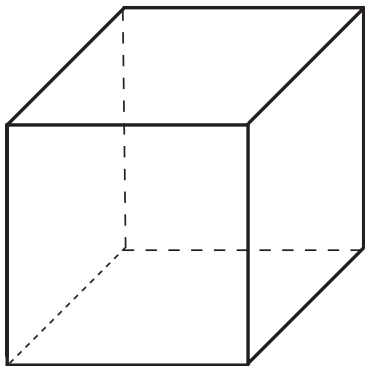
Side view



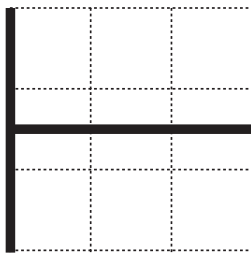
Top view



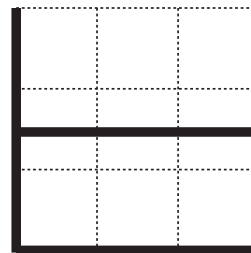
c)



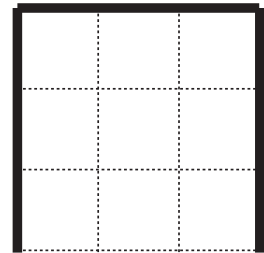
Front view



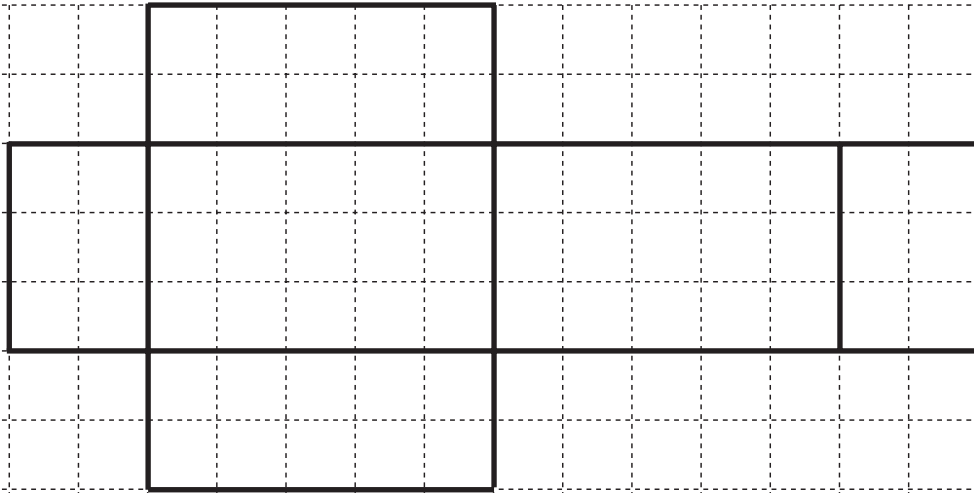
Side view



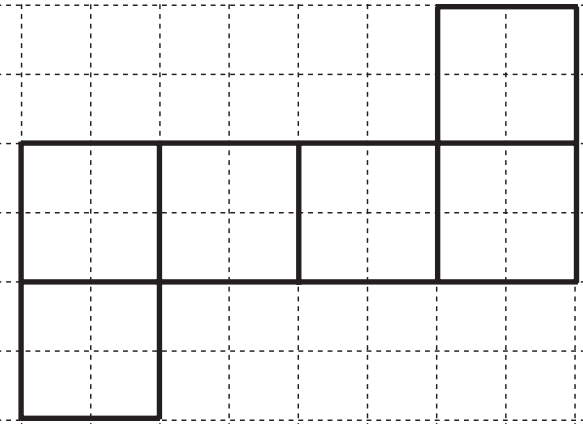
Top view



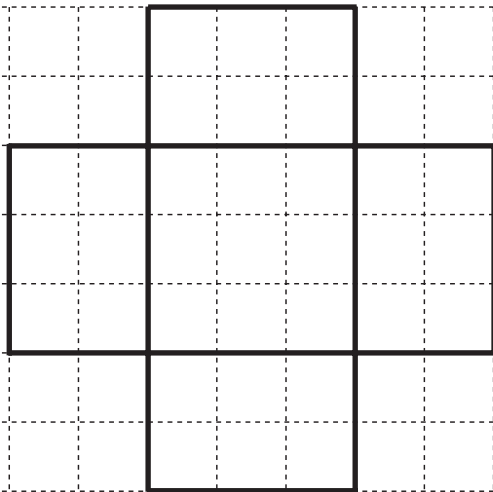
a)



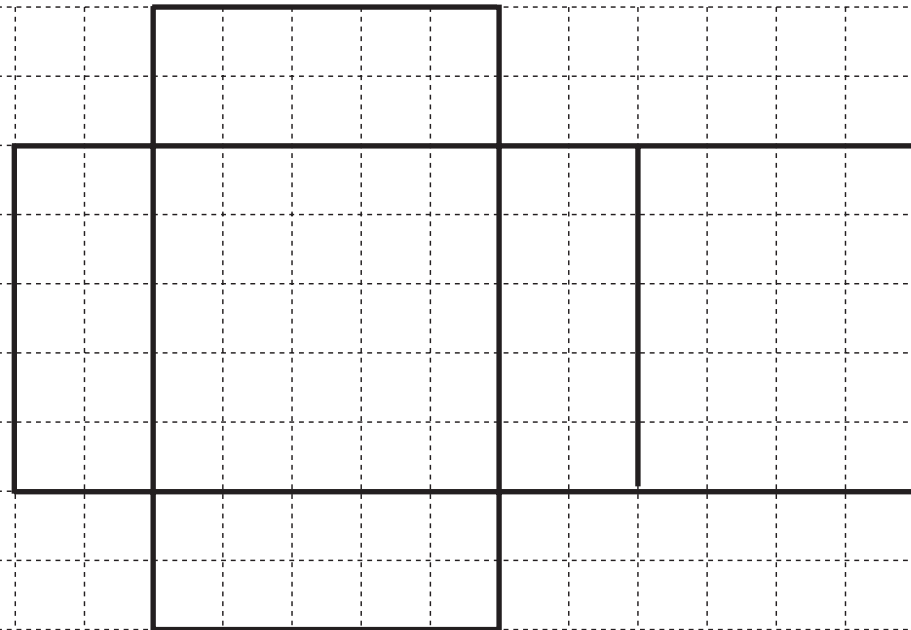
b)



c)



d)



The grid contains the following polyominoes:

- a) A horizontal row of 6 squares.
- b) A 3x2 rectangle.
- c) A horizontal row of 4 squares with one square attached to the top of the rightmost square.
- d) A horizontal row of 4 squares with two squares attached to the top of the second and third squares.
- e) A vertical column of 4 squares with two squares attached to the left of the bottom two squares.
- f) A cross shape with a vertical column of 3 squares and a horizontal row of 3 squares intersecting at the center square.
- g) A vertical column of 3 squares with one square attached to the left of the top square and one square attached to the left of the middle square.
- h) A vertical column of 3 squares with one square attached to the left of the top square and one square attached to the left of the middle square.
- i) A vertical column of 3 squares with one square attached to the left of the top square and one square attached to the left of the middle square.
- j) A vertical column of 3 squares with one square attached to the left of the top square and one square attached to the left of the middle square.
- k) A 3x2 rectangle.

	Number possible	
(6)	a)	1
(5, 1)		3
(4, 2)	d)	5
(4, 1, 1)	c)	8
(3, 3)	b)	3
(3, 2, 1)	h)	13