UNIT 28 *Straight Lines*

CSEC Multiple Choice Questions

For each of these questions, choose the option that is TRUE. (All questions from past *CXC* papers.)

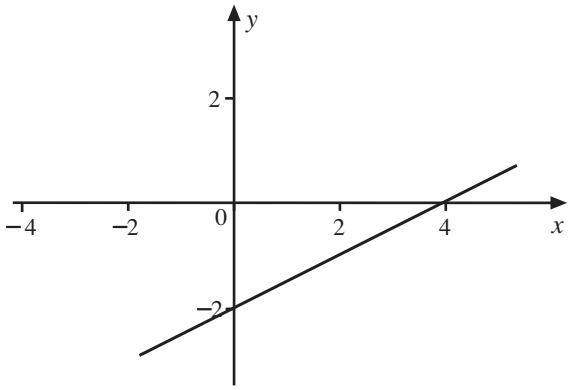
1. What is the gradient of a line which passes through the points $(-4, 3)$ and $(-2, 5)$?

   (A) -4

   (B) $\frac{-1}{3}$

   (C) $\frac{1}{3}$

   (D) 1

2. 

   Which of the following relations is represented by the graph shown above?

   (A) $y + 2x - 4 = 0$

   (B) $2y - x + 4 = 0$

   (C) $2y + x - 4 = 0$

   (D) $y - 2x + 4 = 0$

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3. The equation of the line which passes through the point (0, 2) and has a gradient of $\frac{1}{3}$ is

(A) $y = 3x$

(B) $y = 3x + 2$

(C) $y = \frac{1}{3}x$

(D) $y = \frac{1}{3}x + 2$

4. If a, c and m are constants, then the equation of a straight line may be written as

(A) $y = mx + c$

(B) $y = \frac{c}{x}$

(C) $x^2 + y^2 = a^2$

(D) $y^2 = 4ax$

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ANSWERS

1. D
2. B
3. D
4. A