

Q1: Remedial Work in Math 8

Direction: Choose the letter of the best answer. Write the chosen letter on a separate sheet of paper.

1. In the linear equation $Ax + By = C$, which of the following statements is always TRUE?

- A. a, b & c are whole numbers
B. a, b, & c cannot be negative
C. a & b can be both zero
D. a & b cannot both be zero

2. What is the slope and y-intercept of the line whose equation is $y = 4x - 5$?

- A. $m = 4$, $b = 5$
B. $m = 4$, $b = -5$
C. $m = 5$, $b = 4$
D. $m = -5$, $b = 4$

3. Convert the equation $2x - 4y = 8$ in the form $y = mx + b$.

- A. $y = \frac{1}{2}x - 2$
B. $y = \frac{1}{2}x - 4$
C. $y = 2x - 4$
D. $y = \frac{1}{2}x + 2$

4. Write the linear equation $y = 3x + 5$ in the form $ax + by = c$.

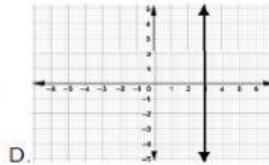
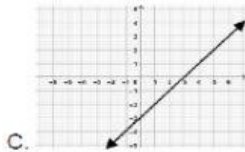
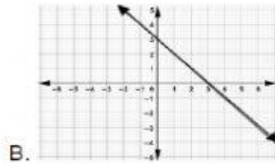
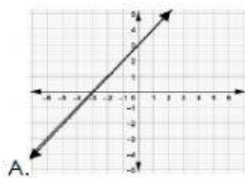
- A. $3x + y = 5$
B. $3x + y = -5$
C. $-3x + y = -5$
D. $3x - y = -5$

5. The equation of a line given by $y = mx + b$ is also called _____.

- A. slope & intercept form
B. slope-point form
C. slope-intercept form
D. point-slope form

Direction: Choose the letter of the correct answer.

1. Which of the following is the graph of $y = x + 3$?

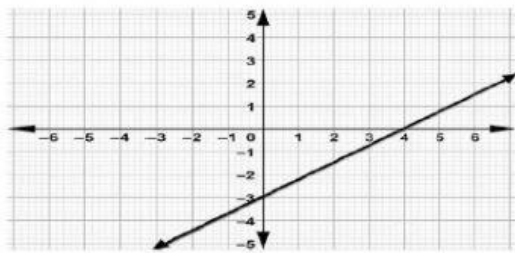


2. Which line passes thru the points $(-1, 1)$ and $(3, 2)$?

- A. $x + y = 5$
B. $x - 4y = -5$
C. $3x + 2y = 1$
D. $2x + y = 3$

For nos. 3-4

Given the graph below



3. What is the x-intercept of the graph?

- A. 0
B. -3
C. 4
D. 5

4. What is the y-intercept of the graph?

- A. 0
B. -3
C. 4
D. 5

5. Which of the following graph passes through the point $(2, 0)$ and has a slope of $-\frac{3}{2}$?

