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.

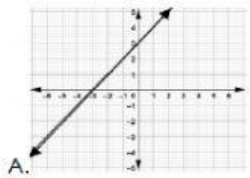
   A. 3x + y = 5
   B. 3x + y = -5
   C. -3x + y = -5
   D. 3x - y = -5

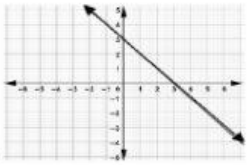
5. The equation of a line given by y = mx + b is also called _____.

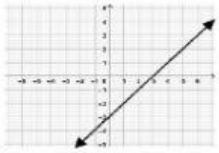
   A. slope & intercept form
   B. slope-point form
   C. slope-intercept form
   D. point-slope form

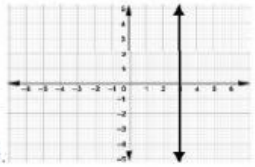
Direction: Choose the letter of the correct answer.

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

A. 

B. 

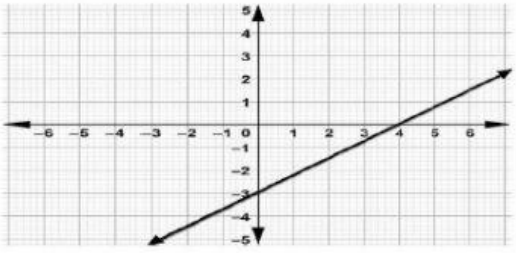
C. 

D. 

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



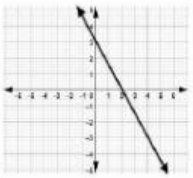
3.What is the x-intercept of the graph ?

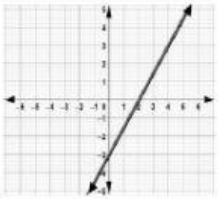
A.0 B.-3 C.4 D.5

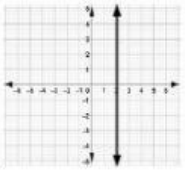
4.What is the y-intercept of the graph?

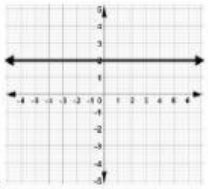
A.0 B.-3 C.4 D.5

5.Which of the following graph passes through the point (2,0) and has a slope of -3/2?

A. 

B. 

C. 

D. 

LIVEWORKSHEETS

LIVEWORKSHEETS

B.

(Hint: the slope is 1 and y-intercept is 3.)

C. Fill in the Blank with the correct answer

1. What is the slope of this line? _____
2. What is the equation of the line in question 1? _____
3. What is the slope of this line? _____
4. Write the equation of the line in question 3._____

LIVEWORKSHEETS