

Lesson 3

Homework

Find the slope of the line using the formula $m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{\Delta y}{\Delta x}$

1) (4,1) , (6,2)

2) (5,6) , (4,3)

3) (3,2) , (8,2)

4) (-1,-5) , (4,5)

5) (-3,3) , (5,-2)

6) (-2,1) , (2,-1)

7) (3,3) , (6,4)

8) (2,7) , (7,6)

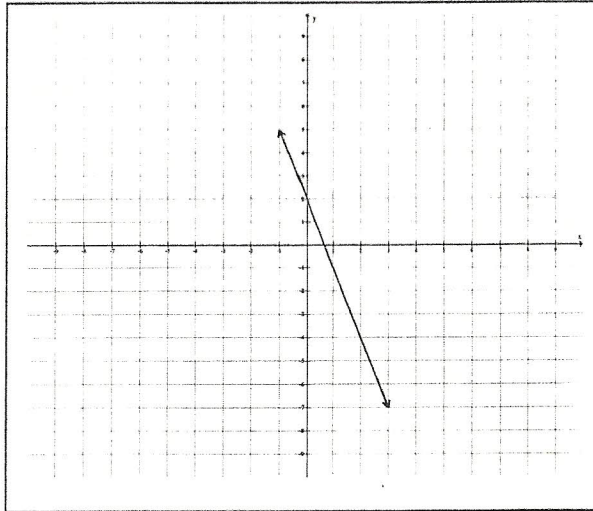
Use the fact that the $m = \frac{\text{rise}}{\text{run}}$ to answer the following questions

9) $y = -3x + 2$

SLOPE: positive negative

slope: $m =$ _____

y-intercept = _____

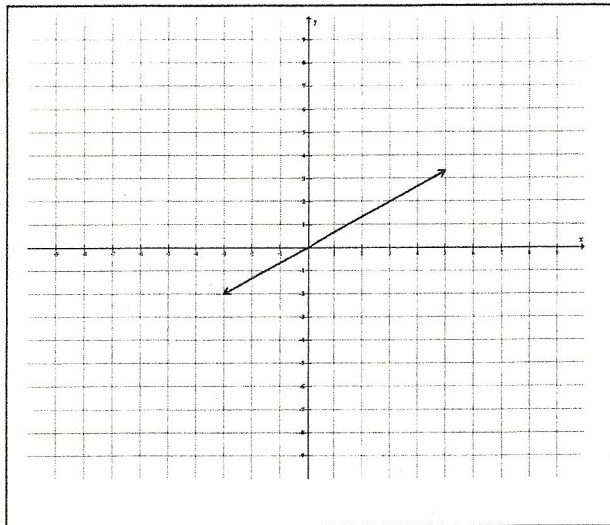


10) $y = \frac{2}{3}x$

SLOPE: positive negative

slope: $m =$ _____

y-intercept = _____



11) Examine the graphs and equations you have been working on (in class and at home). What similarities do you notice about the slope and y-intercepts you found and the equations?
