

NAME _____

Sections 4. All

ALGEBRA

Date _____ Period _____

Analyzing Equations Through Slope & Y-int Mixed Review:

1. Fill in the two blanks below with "slope" and "y-int."

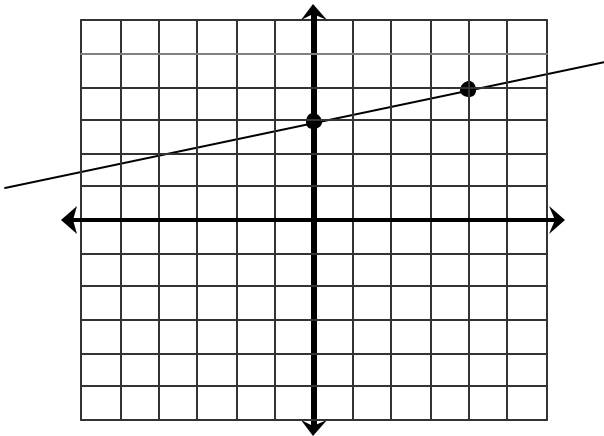
$$y = \underline{\hspace{2cm}}X + \underline{\hspace{2cm}}$$

2. On the calculator, when you find the LinReg(ax+b). What does the letter a represent?
What does the letter b represent? Fill in the blanks below.

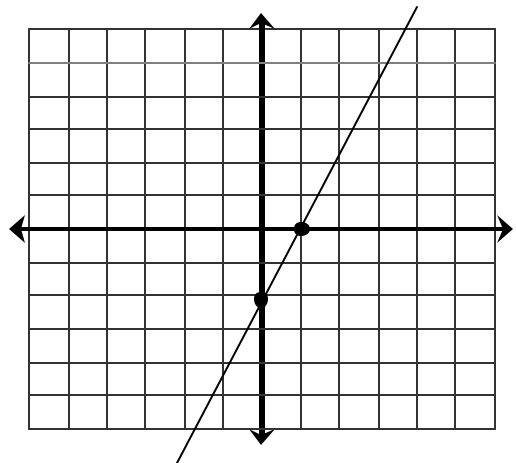
a represents the _____ of the line.

b represents the _____ of the line.

3. In the graphs below, find the y-intercept and the slope and write them on the lines provided.



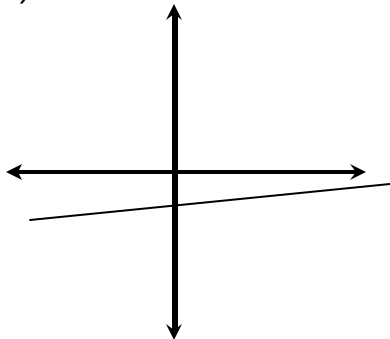
slope = _____ y-int = _____



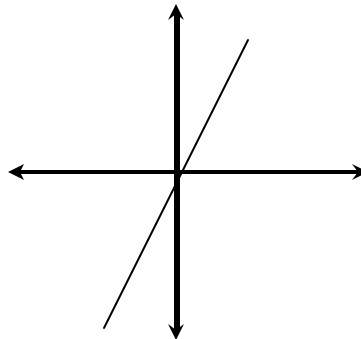
slope = _____ y-int = _____

4. Which graph below appears to have the biggest slope

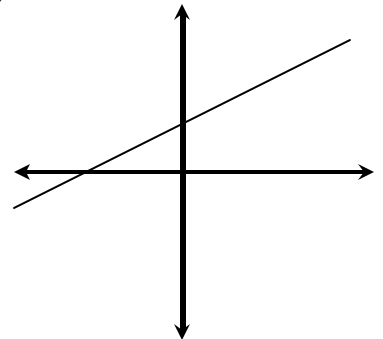
A)



B)



C)



5. Find the slope and the y-intercept for the lines going through the points below:

a. (4, 2) (-1, -3)

b. (5, 1) (0, -3)

c. (1, 1) (3, 6)

slope = _____

slope = _____

slope = _____

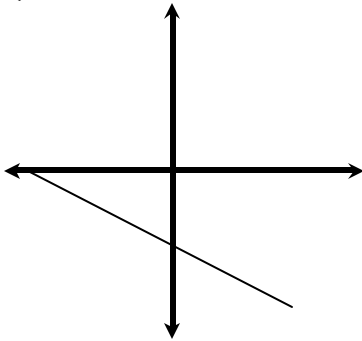
y-int = _____

y-int = _____

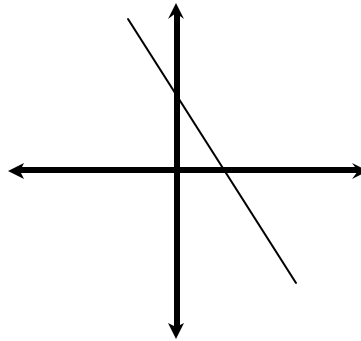
y-int = _____

6. Which of the graphs below has the biggest number for the line's y-intercept?

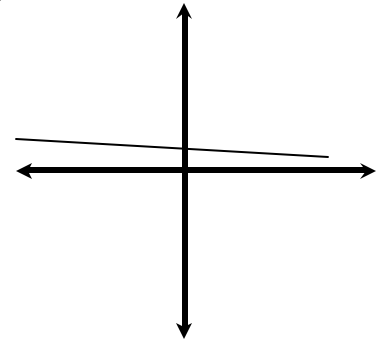
A)



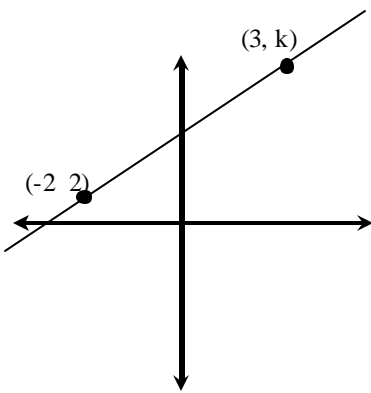
B)



C)



7. Look at the points listed in the graph below. Find the value of k when the slope is 0.2.



A) 0

B) 1

C) 3

D) 5

8. In the graph shown to the right, how many games can you play when you have about \$65 remaining?

How much money do you have remaining when you have played 0 games?

According to the graph, how many games can you play for \$10?

