

NAME _____

Date _____ Period _____

Sections 4. All

ALGEBRA

Analyzing Equations Through Slope & Y-int Mixed Review:

1. Tim needed to find the slope and the y-intercept of a line, using his calculator he found...

LinReg

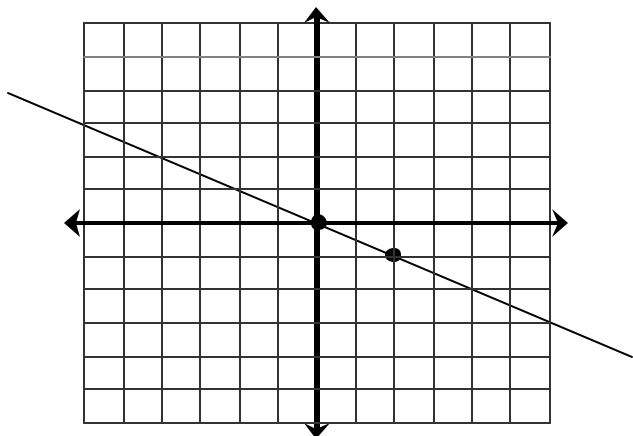
$$y = ax + b$$

$$a = .75$$

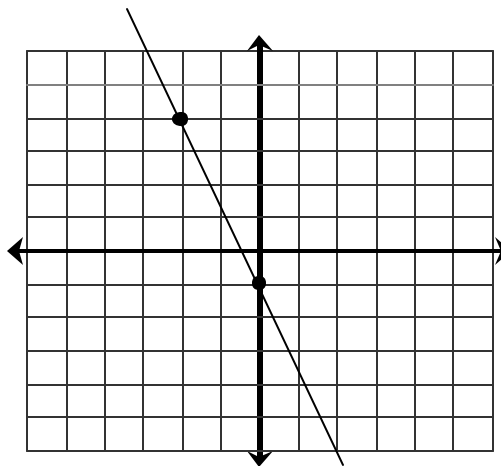
$$b = 1.25$$

What is the slope and y-intercept of Tim's line? Slope = _____ y-int = _____

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



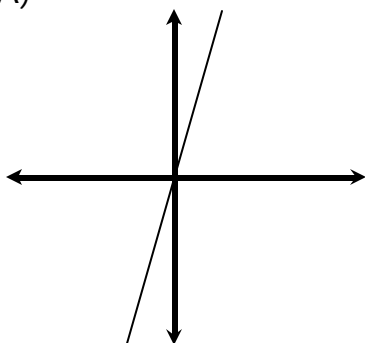
slope = _____ y-int = _____



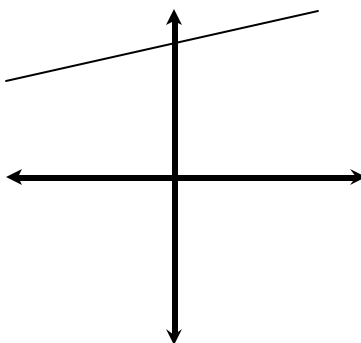
slope = _____ y-int = _____

3. Which graph below appears to have the biggest slope

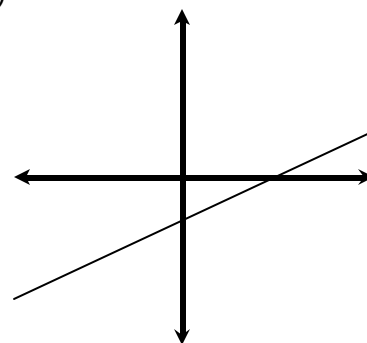
A)



B)



C)

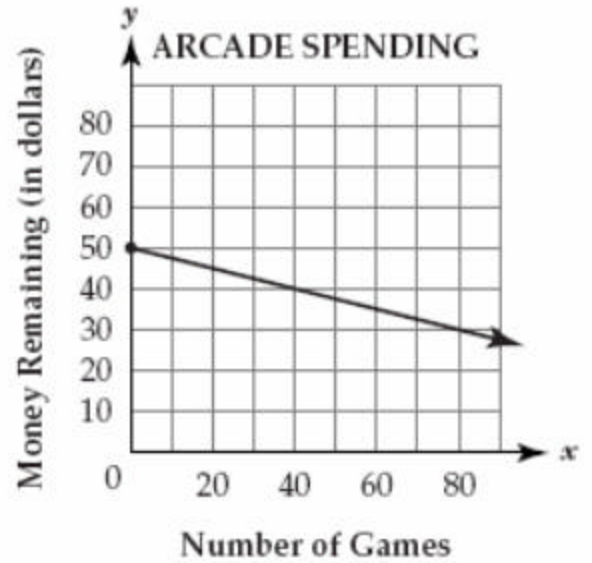


4. What is the slope of line passing through the points (4, 6) and (6, 11)?

5. In the graph shown to the right, how many games can you play when you have \$40 remaining?

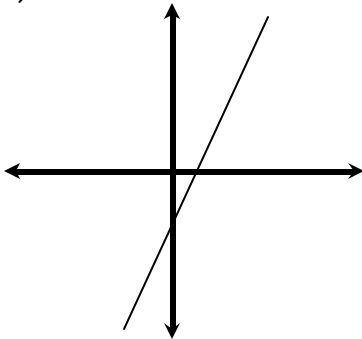
How much money do you have remaining when you have played 80 games?

What is the slope of this line (notice each block is worth 10, not 1!)

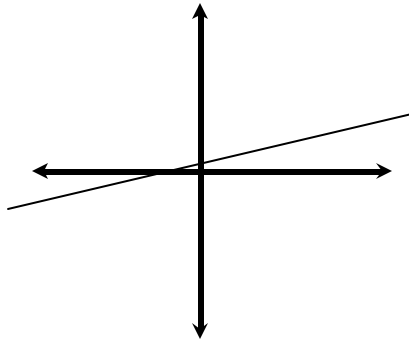


6. Which of the graphs below has the biggest number for the line's y-intercept?

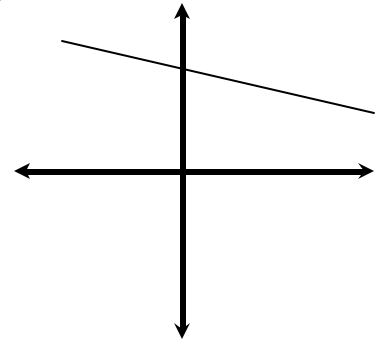
A)



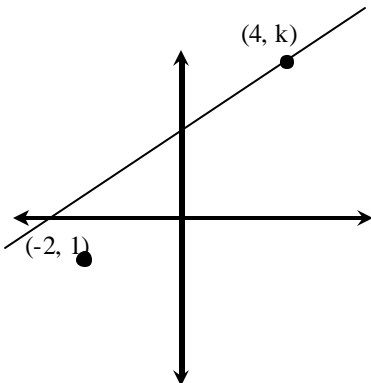
B)



C)



7. Look at the points listed in the graph below. Find the value of k when the slope is $.66667$.



A) $k = 1$

B) $k = 3$

C) $k = 5$

D) $k = 7$