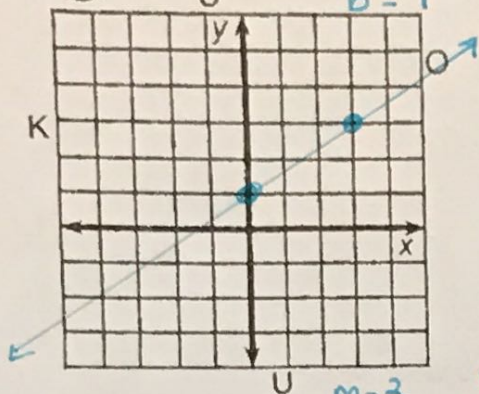


Whom Should You See at the Bank If You Need To Borrow Money?

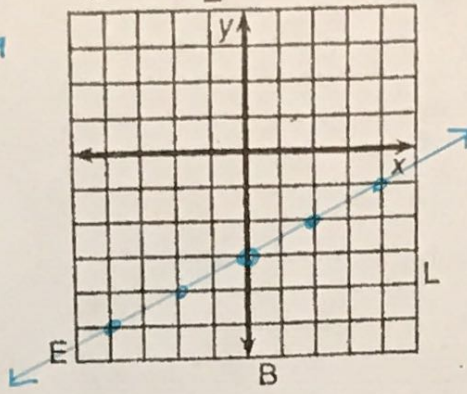
Use the slope and y-intercept to graph each equation below. The graph, if extended, will cross a letter. Print this letter in each box that contains the number of that exercise.

$m = \frac{-30n}{4Rt}$

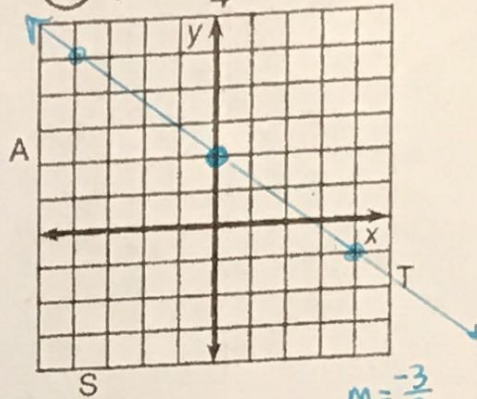
① $y = \frac{2}{3}x + 1$ $m = \frac{2}{3}$ $b = 1$



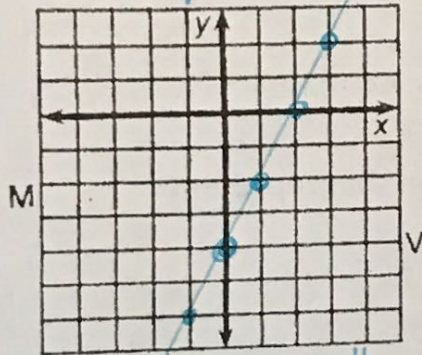
② $y = \frac{1}{2}x - 3$ $m = \frac{1}{2}$ $b = -3$



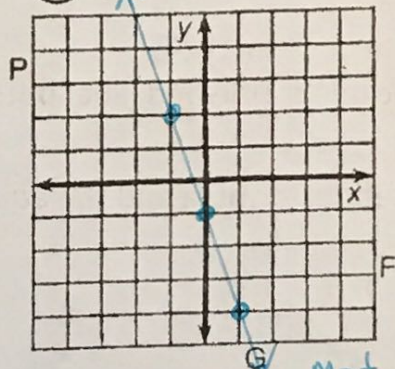
③ $y = -\frac{3}{4}x + 2$ $b = 2$



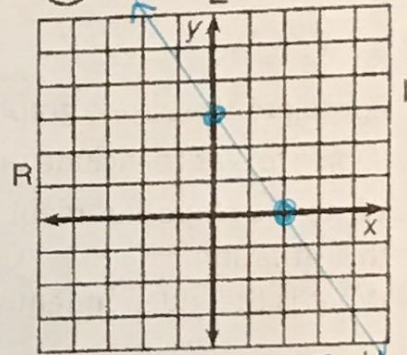
④ $y = 2x - 4$ $m = \frac{2}{1}$ $b = -4$



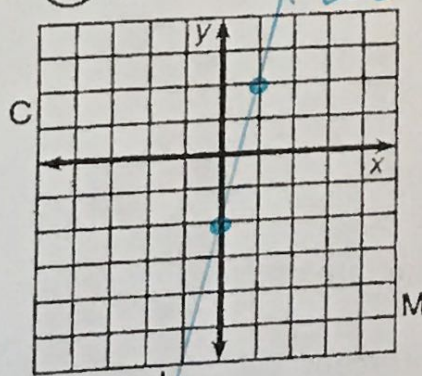
⑤ $y = -3x - 1$



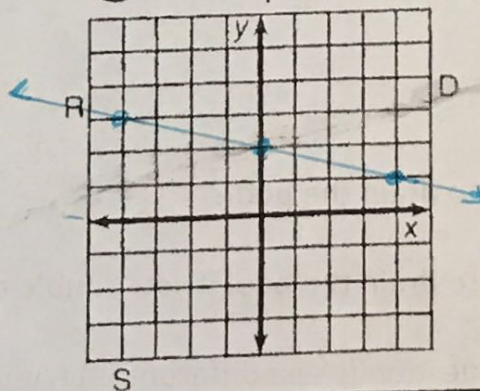
⑥ $y = -\frac{3}{2}x + 3$ $m = -\frac{3}{2}$ $b = 3$



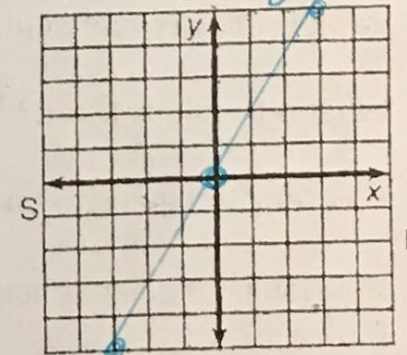
⑦ $y = 4x - 2$ $m = \frac{4}{1}$ $b = -2$



⑧ $y = -\frac{1}{4}x + 2$ $m = \frac{1}{4}$ $b = 2$



⑨ $y = \frac{5}{3}x$ $m = \frac{5}{3}$ $b = 0$

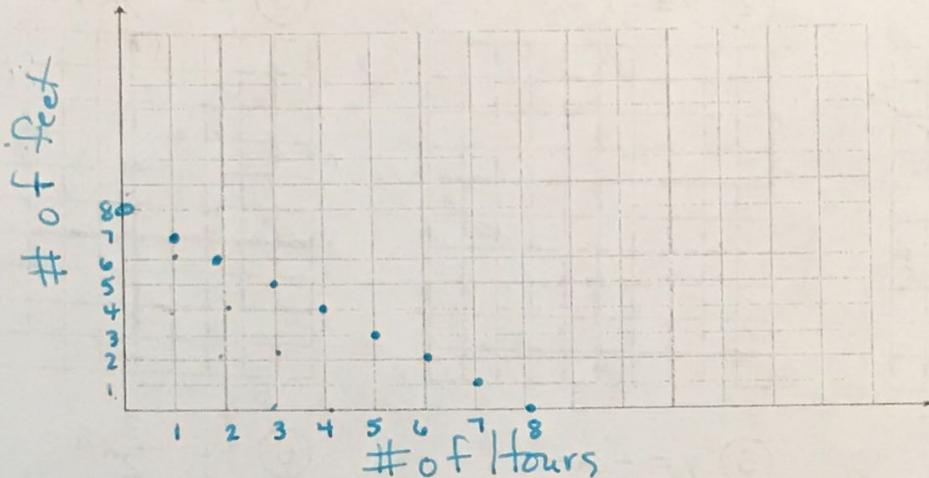


3 6 2 7 1 9 4 9 8 8 9 4 5 2 8
 T H E L O A N A R R A N G E R

Joey drains pools for money. Good, clean money. The average rate of drain is 1 ft per hour. Most pools are filled with 8 ft of water.

Joey's Draining Service

$$y = -1x + 8$$



- Complete the above graph. Include a Title and label both the x and y axis.
(Don't forget to include units)
- Write the slope-intercept equation/formula and the equation that represents this situation.
 $y = -1x + 8$
- What is the independent variable?
 x ; # of Hours
- What is the dependent variable?
 y ; # of feet
- What is the b (y-intercept)?
 $b = 8$
- What is the slope (rate)?
 $m = -1$
- How long is it going to take to drain the pool? 8 hours
- How long is it going to take to drain the pool if you double the rate of drainage? 4 hours
- Write and solve your own question (use a different rate/y-intercept)