

PRACTICE QUESTIONS: Slope & Y-Intercepts

Name: _____

1. Identify the slope of each linear relation.

a) $y = 3x + 6$

b) $y = -\frac{1}{4}x + 5$

c) $y = 0.25x - 0.10$

d) $y = 7 + 2x$

2. Identify the y-intercept of each linear relation.

a) $y = x + 4$

b) $y = -\frac{1}{2}x + \frac{3}{4}$

c) $y = 3x$

d) $y = 1.45 - 0.10x$

4. Write the equation for each line given the slope and the y-intercept.

a) slope: 3, y-intercept: 7

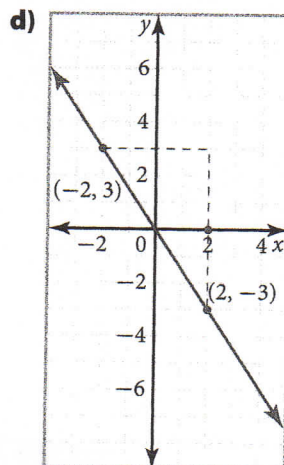
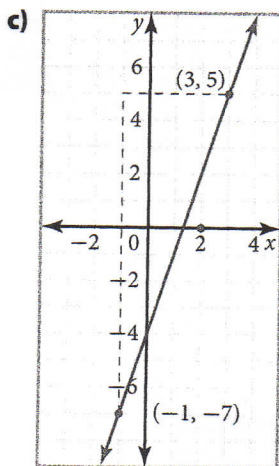
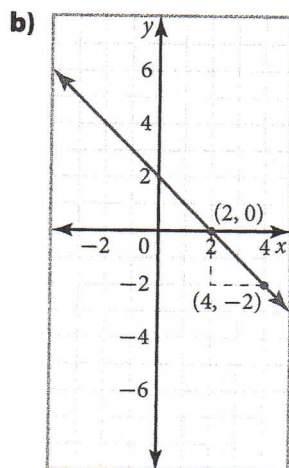
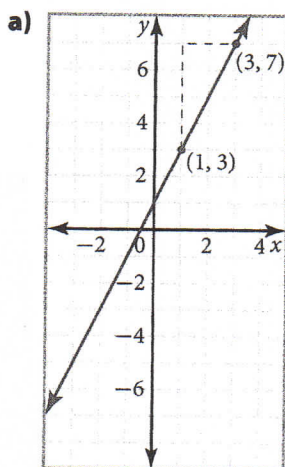
b) slope: 1, y-intercept: -1

c) slope: $\frac{3}{4}$, y-intercept: $\frac{1}{2}$

d) slope: -4, y-intercept: 0

e) slope: 0, y-intercept: 4

6. Write the equation for each line by first determining the slope and the y-intercept.



7. A graph of Marina's college fund is shown.

- What is the slope of this line?
- What does the slope represent?
- What is the y-intercept?
- What does this number represent?
- Write an equation that represents the amount in Marina's college fund.

