Name:

Graph each equation. Draw 2 graphs on each coordinate plane.



Section 2: Writing Equations in Slope-Intercept Form



Section 3: Slope-Intercept Form without Exact Graphs





For 8-10, choose the graph that could represent the equation.





Section 4: Slope-Intercept Story Problems

- 15) A tree was 3 feet tall when it was planted. It grew 1.5 feet per year.
- a. Write an equation in the form **y** = **mx** + **b** representing the situation.
- b. What is the y-intercept of your equation? What does this represent in the situation?
- c. What is the slope of your equation? What does this represent in the situation?

16) You have \$80 in your wallet. You spend \$5 every minute.

- a. Write an equation in the form **y** = **mx** + **b** representing the situation.
- b. What is the y-intercept of your equation? What does this represent in the situation?
- c. What is the slope of your equation? What does this represent in the situation?

17) You set up a lemonade stand. You have made no money yet. You plan to sell cups of lemonade for \$0.50 each.

- a. Write an equation in the form **y** = **mx** + **b** representing the situation.
- b. What is the y-intercept of your equation? What does this represent in the situation?
- c. What is the slope of your equation? What does this represent in the situation?