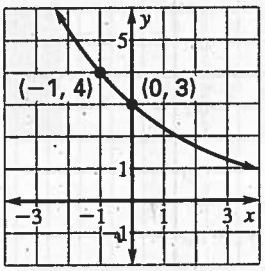
Name _____ Date _____

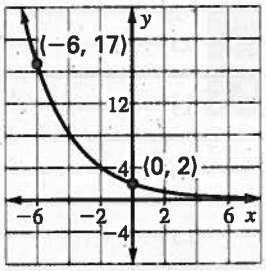
LESSON 8.6 **Practice** *continued*
For use with pages 530–538

Tell whether the graph represents exponential growth or exponential decay. Then write a rule for the function.

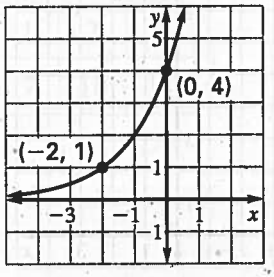
15.



16.



17.



18. Computer Value You buy a computer for $3000. It depreciates at the rate of 20% per year. Find the value of the computer for the given year.

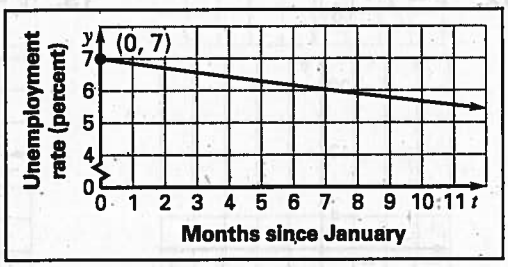
a. 1 year

b. 3 years

c. 5 years

19. Unemployment Rate In 2000, the unemployment rate of a city decreased by approximately 2.1% each month. In January, the unemployment rate was 7%.

a. Use the graph at the right to write a function that models the unemployment rate of the city over time.



b. What was the unemployment rate in December?

20. Indoor Water Park An indoor water park had a declining attendance from 2000 to 2005. The attendance in 2000 was 18,000. Each year for the next 5 years, the attendance decreased by 5.5%.

a. Write a function that models the attendance since 2000.

b. What was the attendance in 2005?