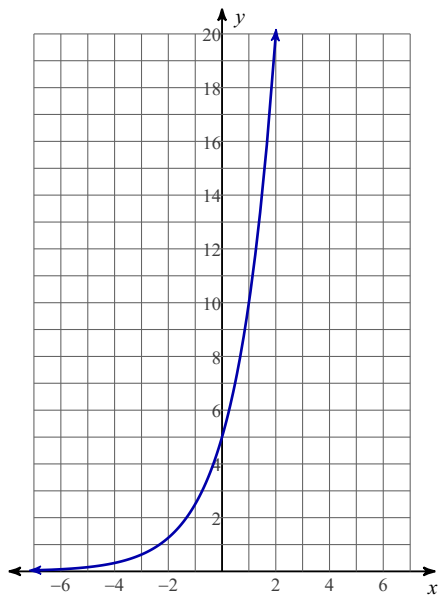


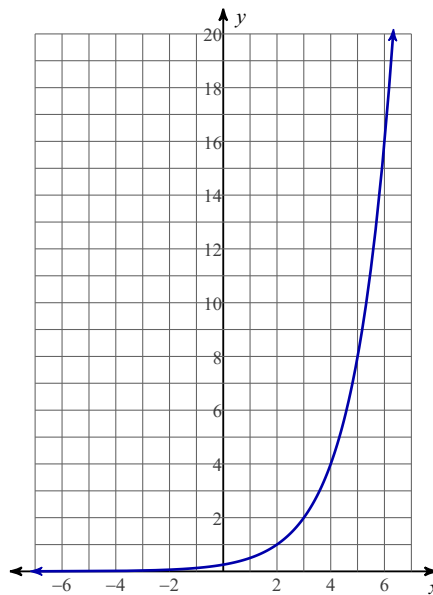
Lesson 2.4 Assignment

Write an equation for each graph.

1)

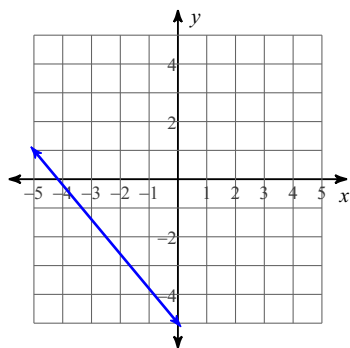


2)

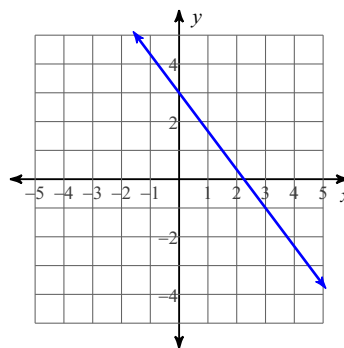


Write the slope-intercept form of the equation of each line.

3)



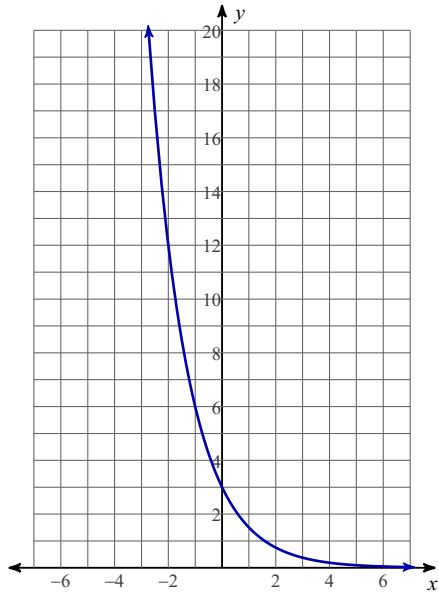
4)



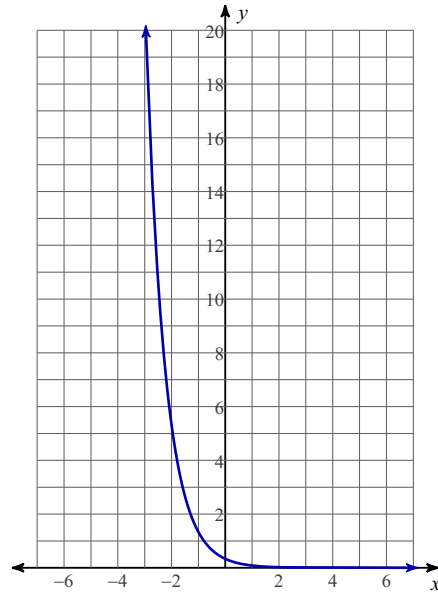
5) Let $f(x) = 2 \cdot 5^x$ and $g(x) = 5x + 2$. As the input values (x) become larger, which function produces a larger output? How do you know?

Write an equation for each graph.

6)

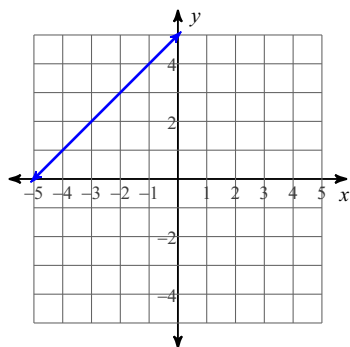


7)

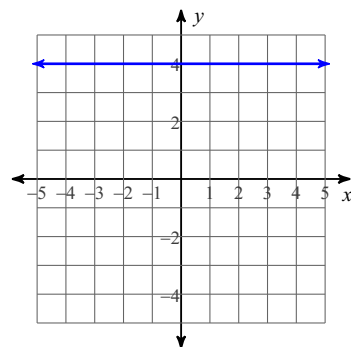


Write the slope-intercept form of the equation of each line.

8)

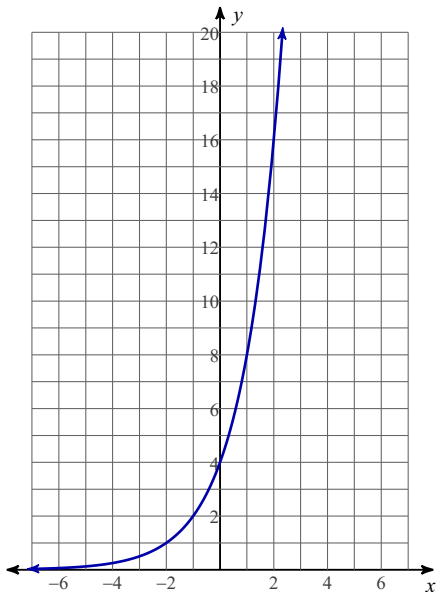


9)

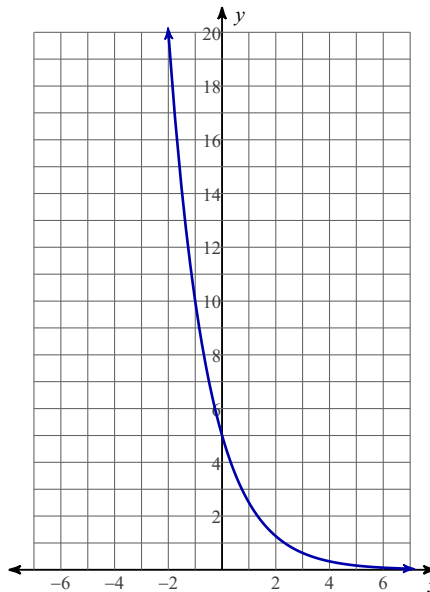


Write an equation for each graph.

10)

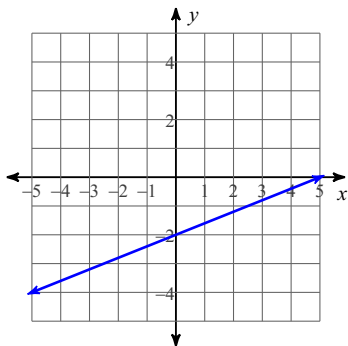


11)

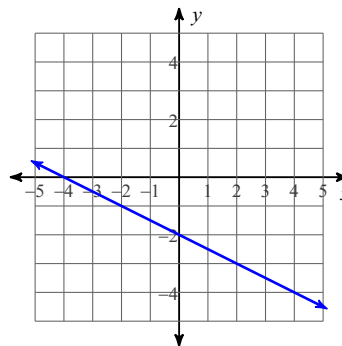


Write the slope-intercept form of the equation of each line.

12)



13)



- 14) Jerry has walked 4 miles. He can walk at a rate of 8 miles per hour.
- Is this linear or exponential? Justify your choice.

- 15) Jerry starts to get tired after the first hour of traveling at 8 miles per hour. His walking rate decreases by 20% per hour.
- Is this linear or exponential? Justify your choice.

- Is this discrete or continuous?
- Identify an appropriate domain.
- Write the explicit equation.

- Is this discrete or continuous?
- Identify an appropriate domain.
- Write the explicit equation.