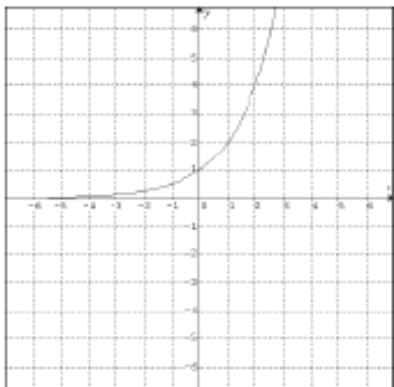


Homework 3.4 Exponential Functions Rate of Change

Slope Formula: $m = \frac{y_2 - y_1}{x_2 - x_1}$

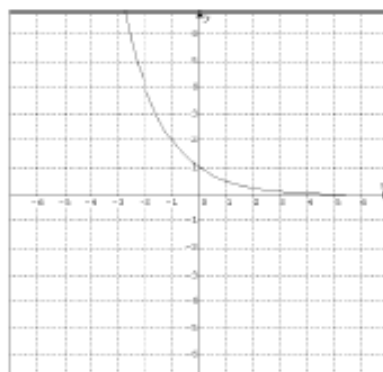
Find the rate of change between the 2 given points.

1.



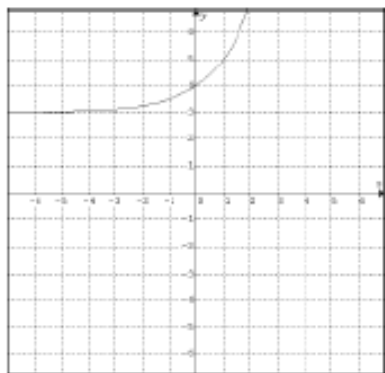
Rate of Change
between $x = 0$ and $x = 2$

2.



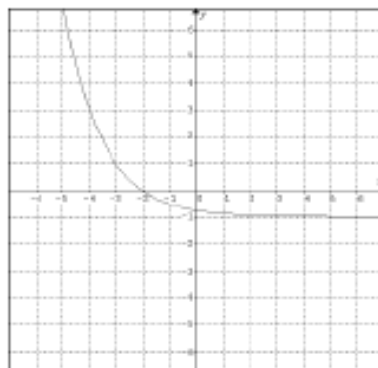
Rate of Change
between $x = -1$ and $x = -2$

3.



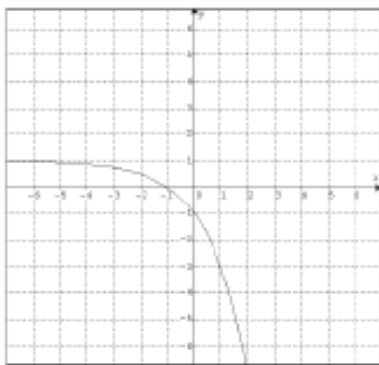
Rate of Change
between $x = 0$ and $x = 1$

4.



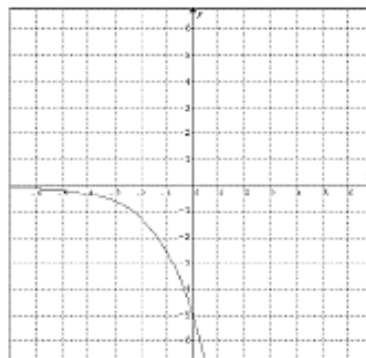
Rate of Change
between $x = -3$ and $x = -4$

5.



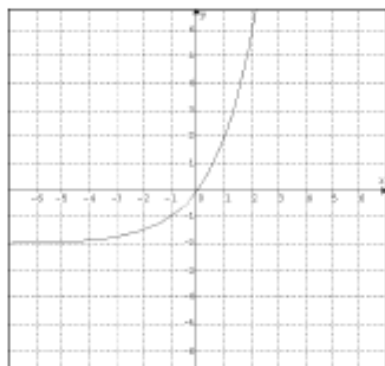
Rate of Change
between $x = -1$ and $x = 1$

6.



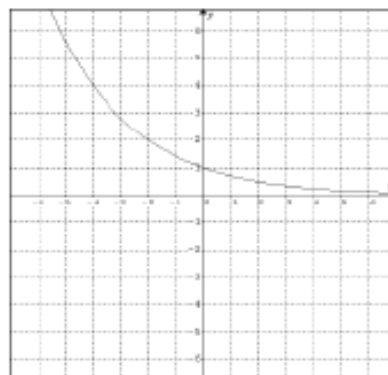
Rate of Change
between $x = -1$ and $x = 0$

7.



Rate of Change
between $x = 1$ and $x = 2$

8.



Rate of Change
between $x = -2$ and $x = 0$

3.4 Answers

1 $3/2$ 2 -2 3 1 4 -2 5 -1 6 -3 7 4 8 $-1/2$