

**5-1 Rate of Change and Slope**

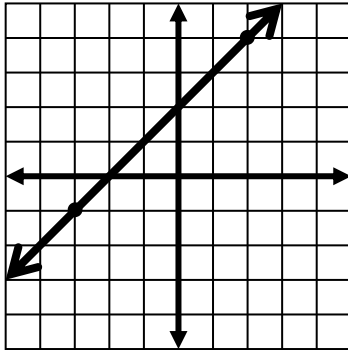
Find the slope of the line that passes through each pair of points:

1.  $(-3, 4)$  and  $(5, -2)$

2.  $(-3, -2)$  and  $(-3, 4)$

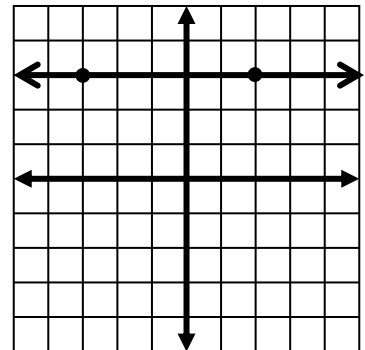
Find the slope of each line:

3.



Slope = \_\_\_\_\_

4.



Slope = \_\_\_\_\_

5. These points lie on the same line:  $(-2, 8)$  and  $(1, y)$ . If the slope of the line is  $-3$ , find  $y$ .