

## Section 8.4 Focus Exercises

Use the slope formula to find the slope of the line that passes through the given points. (For each, you decide which to make the first point and which to make the second point.) Simplify, if possible.

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

2.  $(9, 8)$  and  $(6, 2)$

3.  $(2, -1)$  and  $(6, 3)$

4.  $(5, -4)$  and  $(2, 0)$

5.  $(5, 3)$  and  $(9, -5)$

6.  $(-2, 7)$  and  $(7, 10)$

7.  $(0, -6)$  and  $(-4, 0)$

8.  $(-4, 1)$  and  $(-7, -1)$

9.  $(-3, -6)$  and  $(0, 0)$

10.  $(9, -2)$  and  $(-3, -2)$

11.  $(4, -5)$  and  $(4, 2)$

12.  $(-1, -3)$  and  $(-5, -9)$

13.  $(-6, 0)$  and  $(6, 3)$

14.  $(-10, 5)$  and  $(6, -7)$