



**Exercise #3: Writing a line between two points.**

**Write in slope-intercept form an equation of the line that passes through the points (2, 4) and (5, -2).**

**Exercise #4:**

**Write in slope-intercept form an equation of the line that passes through the given points.**

4.  $(-2, 1), (3, -4)$     5.  $(-5, -5), (-3, 3)$     6.  $(-8, 6), (-2, 9)$

4.

5.

6.

## Writing Equations in Point-Slope Form

### Practice

### Algebra (Grade 8)

Write in point-slope form an equation of the line that passes through the given point and has the given slope.

6.  $(3, 0); m = -\frac{2}{3}$

7.  $(4, 8); m = \frac{3}{4}$

8.  $(1, -3); m = 4$

9.  $(7, -5); m = -\frac{1}{7}$

10.  $(3, 3); m = \frac{5}{3}$

11.  $(-1, -4); m = -2$

Write in slope-intercept form an equation of the line that passes through the given points.

12.  $(-1, -1), (1, 5)$

13.  $(2, 4), (3, 6)$

14.  $(-2, 3), (2, 7)$

15.  $(4, 1), (8, 2)$

16.  $(-9, 5), (-3, 3)$

17.  $(1, 2), (-2, -1)$