

**Write an equation in slope-intercept form of the line that has the given slope and y-intercept.**

**(8-5)**

53.  $m = 3, b = \frac{1}{2}$

54.  $m = -4, b = \frac{3}{5}$

55.  $m = \frac{1}{3}, b = 6$

56.  $m = 0, b = -3.5$

57.  $m = -\frac{3}{7}, b = \frac{3}{8}$

58.  $m = -1.5, b = 2.7$

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

**(8-5)**

59.  $m = 3; (-3, -5)$

60.  $m = -2; (3, -4)$

61.  $m = \frac{3}{4}; (0, -2)$

62.  $m = 0; \left(\frac{1}{2}, 3\right)$

63.  $m = -\frac{1}{5}; (-5, 0)$

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

**Write an equation in slope-intercept form of the line passing through the points.**

**(8-5)**

65.  $(2, 1), (6, 4)$

66.  $(2, -1), (1, -7)$

67.  $(0, 0), (6, -1)$

68.  $(-3, 2), (-3, -4)$

69.  $(-2, 8), (1, 2)$

70.  $(6, -4), (-7, -7)$