

Assignment #1.LinRev

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = 0, y-intercept = 5

2) Slope = -1, y-intercept = 1

3) Slope = -6, y-intercept = 1

4) Slope = 0, y-intercept = -4

Write the point-slope form of the equation of the line through the given point with the given slope.

5) through: (2, 5), slope = $\frac{5}{6}$

6) through: (1, -4), slope = -1

7) through: (4, 0), slope = $-\frac{5}{4}$

8) through: (5, -1), slope = $\frac{3}{5}$

Write the point-slope form of the equation of the line through the given points.

9) through: (0, 4) and (5, 1)

10) through: (-4, 0) and (0, -3)

11) through: (-5, 0) and (0, -5)

12) through: (0, 3) and (-2, 2)

Write the slope-intercept form of the equation of the line described.

13) through: (4, 3), parallel to $y = -\frac{1}{2}x + 3$

14) through: (-4, -4), parallel to $y = \frac{7}{4}x - 1$

15) through: (-2, 1), perp. to $y = -2x - 2$

16) through: (4, -3), perp. to $y = \frac{6}{5}x + 2$

Write the standard form of the equation of the line through the given point with the given slope.

17) through: (3, 0), slope = $-\frac{5}{7}$

18) through: (-2, 4), slope = 9

Write the standard form of the equation of the line through the given points.

19) through: (3, -1) and (-5, 4)

20) through: (0, -4) and (-5, 5)