

Slope-Intercept

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

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

2) Slope = 4 , y-intercept = -3

3) Slope = $\frac{7}{3}$, y-intercept = 4

4) Slope = 1 , y-intercept = 0

5) Slope = -7 , y-intercept = 3

6) Slope = $-\frac{1}{4}$, y-intercept = -2

7) Slope = $-\frac{7}{5}$, y-intercept = 5

8) Slope = $-\frac{9}{4}$, y-intercept = -5

9) Slope = $-\frac{1}{4}$, y-intercept = 0

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

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

11) through: $(-2, 3)$, slope = $-\frac{1}{2}$

12) through: $(3, 2)$, slope = $\frac{1}{7}$

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

14) through: $(4, 4)$, slope = 1

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

15) through: $(-4, -2)$ and $(0, 4)$

16) through: $(0, 3)$ and $(3, 3)$

17) through: $(5, 2)$ and $(0, 4)$

18) through: $(4, 5)$ and $(0, -5)$

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

19) through: $(2, 1)$, parallel to $y = 3x + 2$

20) through: $(-2, -2)$, parallel to $y = -x + 2$

21) through: $(3, -3)$, perp. to $x = 0$

22) through: $(-5, 4)$, perp. to $y = \frac{5}{8}x + 2$