

Writing Equations of Lines #2

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

1) through: $(5, 3)$, slope = $\frac{4}{5}$

2) through: $(-3, 1)$, slope = -4

3) through: $(-1, 2)$, slope = -2

4) through: $(1, 0)$, slope = 1

5) through: $(2, -5)$, slope = -1

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

7) through: $(3, -4)$, slope = $-\frac{2}{3}$

8) through: $(0, 2)$, slope = undefined

9) through: $(4, -1)$, slope = $-\frac{3}{4}$

10) through: $(-4, -1)$, slope = 0

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

11) through: $(3, 4)$ and $(1, 2)$

12) through: $(-3, 2)$ and $(3, -1)$

13) through: $(-2, 3)$ and $(-4, 4)$

14) through: $(3, 3)$ and $(0, -2)$

15) through: $(0, 0)$ and $(5, 4)$

16) through: $(2, -2)$ and $(-4, -2)$

17) through: $(-4, 5)$ and $(-4, 1)$

18) through: $(0, 5)$ and $(2, -2)$

19) through: $(5, -3)$ and $(0, 5)$

20) through: $(1, 3)$ and $(3, 1)$