

Writing equations of lines

Date_____ Period_____

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

1) Slope = -2 , y-intercept = -5

2) Slope = $-\frac{8}{3}$, y-intercept = 4

3) Slope = 1 , y-intercept = 0

4) Slope = -4 , y-intercept = 1

5) Slope = $\frac{7}{5}$, y-intercept = 3

6) Slope = $\frac{7}{2}$, y-intercept = -3

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

8) Slope = $-\frac{2}{5}$, y-intercept = 2

9) Slope = -1 , y-intercept = 4

10) Slope = $\frac{3}{2}$, y-intercept = -1

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

11) through: $(0, -2)$ and $(3, 4)$

12) through: $(-4, 3)$ and $(1, 1)$

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

14) through: $(0, 2)$ and $(1, 4)$

15) through: $(4, 2)$ and $(1, -3)$

16) through: $(1, 2)$ and $(-5, 5)$

17) through: $(2, -5)$ and $(1, 0)$

18) through: $(0, 4)$ and $(-5, -3)$

19) through: $(-2, -5)$ and $(0, -3)$

20) through: $(0, -5)$ and $(-1, 5)$