

Writing an equation given a point and the slope

Date _____ Period _____

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

1) through: $(3, -5)$, slope = -2

2) through: $(-4, -5)$, slope = 2

3) through: $(-4, 0)$, slope = $\frac{1}{4}$

4) through: $(1, 5)$, slope = -3

5) through: $(-2, 0)$, slope = 0

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

7) through: $(4, 3)$, slope = 1

8) through: $(-4, 1)$, slope = -1

9) through: $(-4, 4)$, slope = $-\frac{7}{8}$

10) through: $(-5, 0)$, slope = $-\frac{3}{2}$

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

12) through: $(1, 5)$, slope = 3

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

14) through: $(5, -5)$, slope = $-\frac{9}{5}$

15) through: $(-5, -5)$, slope = 0

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

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

18) through: $(5, 1)$, slope = $\frac{2}{9}$

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

20) through: $(-5, 3)$, slope = $-\frac{7}{6}$