

Linear Equations Point Slope WS# 2

Date _____ HW# _____

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

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

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

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

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

5) through: $(-3, -4)$, slope = $\frac{9}{7}$

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

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

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

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

10) through: $(1, -3)$, slope = 0

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

11) through: $(0, -2)$ and $(-1, 2)$

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

13) through: $(1, 2)$ and $(0, 0)$

14) through: $(4, -5)$ and $(0, -1)$

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

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

17) through: $(0, 3)$ and $(-1, -3)$

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

19) through: $(0, 2)$ and $(2, 1)$

20) through: $(0, 4)$ and $(1, -4)$

21) through: $(4, 0)$ and $(0, 4)$

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

23) through: $(0, -5)$ and $(-2, 4)$

24) through: $(-5, -4)$ and $(4, 2)$

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

26) through: $(5, 5)$ and $(-1, -3)$

27) through: $(5, -2)$ and $(3, 5)$

28) through: $(4, 2)$ and $(1, -1)$

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

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