

Homework 11.3

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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: $(3, 1)$, slope = 1

2) through: $(3, 4)$, slope = 8

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

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

4) through: $(4, -2)$ and $(5, -3)$

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

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

Solve each equation.

7) $-6.5(p + 5.6) - 7.8p = -90.74$

8) $-5.1(6k + 7.7) + 6.2k = 119.33$

Answers to Homework 11.3

1) $y = x - 2$

2) $y = 8x - 20$

3) $y = -2x + 4$

4) $y = -x + 2$

5) $y = -3x - 17$

6) $y = -2x - 10$

7) $\{3.8\}$

8) $\{-6.5\}$