

Homework 11.1

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

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

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

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

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

5) through: $(1, 0)$ and $(4, -3)$

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

Solve each equation.

7) $-6.5(x + 7.9) = -87.1$

8) $5.8(1 + 3.8r) - 2r = 140.068$

Answers to Homework 11.1

1) $y = -4x + 2$

2) $y = -2x + 5$

3) $y = 8x - 4$

4) $y = -x + 4$

5) $y = -x + 1$

6) $y = -2x - 8$

7) $\{5.5\}$

8) $\{6.7\}$