

**Quiz 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:  $(2, 4)$ , slope = 2

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

A)  $y = 5$

B)  $y = 2x$

A)  $y = -1$

B)  $y = 2x$

C)  $y = x + 5$

D)  $y = 5x$

C)  $y = -x$

D)  $y = x$

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

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

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

A)  $y = -4x - 11$

B)  $y = 4x - 11$

C)  $y = -11x - 4$

D)  $y = -11x + 4$

A)  $y = -2x + 3$

B)  $y = -3x - 2$

C)  $y = 3x - 2$

D)  $y = -2x - 3$

**Solve each equation.**

5)  $-5.4(7.15 + 7n) - 3.7n = 181.34$

6)  $-2.5(1 + 5.7a) + 1.6a = -84.725$

A)  $\{0.7\}$

B)  $\{13.43\}$

A)  $\{6.5\}$

C)  $\{-0.48\}$

D)  $\{-5.3\}$

B)  $\{0.5\}$

C)  $\{-13.47\}$

D)  $\{ \text{All real numbers.} \}$