

**Quiz 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:
- $(3, 4)$
- , slope = 1

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

- A)  $y = 4x + 1$   
 B)  $y = 3x + 1$   
 C)  $y = -4x + 1$   
 D)  $y = x + 1$

A)  $y = -\frac{16}{3}x - \frac{4}{3}$

B)  $y = -\frac{4}{3}x + \frac{16}{3}$

C)  $y = \frac{16}{3}x - \frac{4}{3}$

D)  $y = -\frac{4}{3}x - \frac{16}{3}$

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

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

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

- A)  $y = -x + 3$   
 B)  $y = 3x + 1$   
 C)  $y = -3x + 3$   
 D)  $y = x + 3$

A)  $y = -\frac{3}{4}$

B)  $x = 3$

C)  $y = \frac{1}{4}x - \frac{3}{4}$

D)  $y = -\frac{1}{2}x - \frac{3}{4}$

**Solve each equation.**

5)  $7.9(x + 3.8) = 90.06$

6)  $-108.0976 = 5.2(5.612 + 4.4n)$

- A)  $\{7.6\}$   
 B)  $\{-13.81\}$   
 C) No solution.  
 D)  $\{12.8\}$

- A)  $\{1.6\}$   
 B)  $\{6.3\}$   
 C) { All real numbers. }  
 D)  $\{-6\}$