

Quiz 35.2

Solve each equation by factoring.

1) $b^2 - 8b + 16 = 0$

A) $\{8, -6\}$ B) $\{3, -1\}$

C) $\{4\}$ D) $\{-4\}$

2) $3v^2 - 16v + 16 = 0$

A) $\{\frac{1}{4}, -1\}$ B) $\{\frac{1}{2}, -5\}$

C) $\{\frac{4}{3}, 4\}$ D) $\{\frac{3}{8}, -4\}$

3) Write the function the has x-intercepts at $(-2,0)$ and $(7,0)$.

A) $y = (x - 2)(x + 7)$

B) $y = (x - 2)(x - 2)$

C) $y = x^2 - 5x - 14$

D) $y = x^2 - 14$

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

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

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

B) $y = -\frac{5}{2}x - 3$

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

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

Solve each system by elimination.

5) $-8x - 2y = -30$

$8x + 8y = 0$

A) $(-7, -4)$ B) $(5, -5)$

C) $(-7, -5)$ D) $(7, -4)$