

Quiz 39.1

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Solve each equation. Remember to check for extraneous solutions.

1) $\sqrt{r} = 3$

A) $\{-5, -3\}$

C) $\{-5\}$

B) $\{-4\}$

D) $\{9\}$

2) $-8 + \sqrt{15n - 5} = 2$

A) $\{-7, -9\}$

C) $\{7\}$

B) $\{7, -8\}$

D) $\{-7, -8\}$

3) $-5 + \sqrt{x + 7} = -1$

A) $\{-5, -1\}$

C) $\{-1, 9\}$

B) $\{9\}$

D) $\{-1\}$

Solve each system by elimination.

4) $x - 12y = -16$

$5x + 6y = -14$

A) $(3, 4)$

C) $(4, -3)$

B) $(-4, -3)$

D) $(-4, 1)$

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

5) through: $(0, -5)$ and $(2, -2)$

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

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

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

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