Algebra 1 ECA Remediation   Name_____

Homework 39.2

Solve each equation. Remember to check for extraneous solutions.

1) $4 = \sqrt{\dfrac{m}{4}}$

2) $2 = \sqrt{r}$

3) $\sqrt{64 - 3n} = 8$

4) $-2 = -5 + \sqrt{1 - 8b}$

5) $\sqrt{10v + 4} - 4 = 4$

6) $6 = 6\sqrt{x - 8}$

Solve each system by elimination.

7) $-2x - 12y = 26$
    $10x + 2y = -14$

8) $10x + y = 28$
    $5x + 7y = 1$

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

9) through: $(0, 3)$ and $(4, 5)$

10) through: $(1, 1)$ and $(0, 3)$

Answers to Homework 39.2

1) $\{64\}$

2) $\{4\}$

3) $\{0\}$

4) $\{-1\}$

5) $\{6\}$

6) $\{9\}$

7) $(-1, -2)$

8) $(3, -2)$

9) $y = \dfrac{1}{2}x + 3$

10) $y = -2x + 3$