Algebra 1 ECA Remediation   Name_____

Quiz 39.2
Solve each equation. Remember to check for extraneous solutions.

1) $\sqrt{a-2} = 4$

    A) $\{-1, 18\}$ B) $\{-3, 18\}$

    C) $\{-2\}$ D) $\{18\}$

2) $7 + \sqrt{\dfrac{x}{7}} = 16$

    A) $\{-2, -567\}$ B) $\{567\}$

    C) $\{-567\}$ D) $\{7\}$

3) $2 + \sqrt{v-6} = 3$

    A) $\{-7, 10\}$ B) $\{-9\}$

    C) $\{7\}$ D) $\{-10\}$

Solve each system by elimination.

4) $3x + 3y = 12$
   $-2x - 6y = -20$

    A) $(1, -3)$
    B) Infinite number of solutions
    C) $(1, 3)$
    D) $(-1, 3)$

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

5) through: $(0, -3)$ and $(-5, 1)$

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

   B) $y = -\dfrac{1}{5}x - 3$

   C) $y = -3x + \dfrac{3}{5}$

   D) $y = -\dfrac{4}{5}x - 3$