Algebra 1 ECA Remediation Name_____

Quiz 35.1

Solve each equation by factoring.

1) $n^2 - 12n + 32 = 0$

A) $\{8, 4\}$ B) $\{5, -4\}$
C) $\{-3, 1\}$ D) $\{-4, 4\}$

2) $5k^2 + 4k - 1 = 0$

A) $\{-\frac{3}{2}, \frac{7}{2}\}$ B) $\{-\frac{6}{7}, \frac{8}{3}\}$
C) $\{\frac{1}{5}, -1\}$ D) $\{-\frac{7}{5}, -4\}$

3) Write the function the has x-intercepts at (4,0) and (-7,0).

A) $y = (x - 4)(x + 7)$
B) $y = (x - 4)(x - 7)$
C) $y = (x + 4)(x + 4)$
D) $y = (x + 4)(x - 7)$

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

4) through: $(3, 1)$, slope = 0

A) $y = 2x - 1$ B) $y = 1$
C) $y = x - 1$ D) $y = -2x - 1$

Solve each system by elimination.

5) $-x - y = -15$
$x - y = -5$

A) $(5, 10)$
B) $(-10, 5)$
C) Infinite number of solutions
D) $(-5, 10)$