Algebra 1 ECA Remediation Name_____

Quiz 35.3

Solve each equation by factoring.

1) $m^2 + 16m + 64 = 0$

A) $\{-8\}$ B) $\{8\}$
C) $\{4\}$ D) $\{-2, -1\}$

2) $35r^2 - 24r + 4 = 0$

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

3) Write the function the has x-intercepts at (2,0) and (-1,0).

A) $y = (x - 2)(x + 1)$
B) $y = x^2 - 3x - 2$
C) $y = x^2 + x - 2$
D) $y = (x - 2)(x - 2)$

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

4) through: $(5, 2)$, slope $= -\frac{1}{6}$

A) $y = \frac{17}{6}x + \frac{1}{6}$
B) $y = \frac{1}{6}x + \frac{17}{6}$
C) $y = -\frac{1}{6}x + \frac{17}{6}$
D) $y = -\frac{1}{3}x + \frac{17}{6}$

Solve each system by elimination.

5) $-7x - 4y = 24$
$7x + 5y = -30$

A) $(2, 2)$ B) No solution
C) $(0, -6)$ D) $(-2, 2)$