Algebra 1   Name_____ ID: 1

Assignment   Date_____ Period____

Factor each completely.

1) $n^2 + 11n + 10$ 2) $r^2 - 10r + 16$

3) $x^2 + 7x + 12$ 4) $r^2 + 3r - 18$

5) $v^2 - 4v - 5$ 6) $x^2 - 25$

7) $v^2 - 11v + 30$ 8) $6x^2 + 60x + 54$

9) $5x^2 + 11x + 6$ 10) $5a^2 - a$

Solve each equation by completing the square.

11) $b^2 + 12b + 26 = 0$ 12) $x^2 + 4x - 8 = 0$

Solve each equation with the quadratic formula.

13) $m^2 - 8m - 9 = 0$ 14) $4b^2 + 6b - 9 = 0$

15) $7x^2 - 8x - 1 = 0$ 16) $3n^2 - 4n - 7 = 0$