Algebra 1 Honors Assignment Name_____

Solving Quadratics Using the Quadratic Formula

Solve each equation using the quadratic formula. Also, find the discriminant and state what the discriminant tells you about your quadratic. Put a box or circle around your answers.

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

2) $2x^2 + x - 5 = 0$

3) $n^2 - 2n - 3 = 0$

4) $2v^2 + 2v - 6 = 0$

5) $2y^2 - 2y - 2 = 0$

6) $4x^2 - 4x + 1 = 0$

7) $3r^2 + 4r - 2 = 0$

8) $5p^2 - 6p = 3$

9) $m^2 - 3m - 120 = 10$

10) $5n^2 - 8n - 18 = 4$

11) $x^2 + 2x - 11 = -2$

12) $r^2 - 12r + 9 = -12$

13) $3x^2 - 7x = -3$

14) $4n^2 + 3n - 34 = -7$