

## Discriminant Practice

Date \_\_\_\_\_ Period \_\_\_\_\_

**Put equation in standard form.****List the a, b, and c values.****Find the discriminant of each quadratic equation then state the number and type of solutions.**

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

2)  $-r^2 + 2r - 1 = 0$

3)  $-n^2 - 2n - 1 = 0$

4)  $-2v^2 - v - 10 = -4$

5)  $-2x^2 - 4x - 8 = -6$

6)  $6b^2 + 2b + 10 = 4$

7)  $4n^2 - 4n - 2 = -3$

8)  $-5k^2 + 2k = 0$

9)  $4a^2 - 3a = 1$

10)  $2p^2 + 4p = -2$

11)  $4a^2 - 4a = 3$

12)  $3x^2 + 3 = -6x$