REVIEW WKST THE QUADRATIC FORMULA   Date_____ Period_____

Find the discriminant of each quadratic equation then state the number and type of solutions.

1) $3x^2 - 8x + 9 = 0$

2) $-p^2 - 6p - 9 = 0$

3) $-9b^2 + 6b - 1 = 0$

4) $-4x^2 + 4x - 10 = 0$

Solve each equation with the quadratic formula.

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

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

7) $4x^2 - 5x - 21 = 0$

8) $-5x^2 - 6x - 3 = 0$

9) $-4a^2 + 7a - 6 = 0$

10) $-8r^2 + 2r + 7 = 0$

11) $-r^2 + 4r + 10 = 0$

12) $7m^2 + 4m + 8 = 0$