

8.8 The Quadratic Formula and Discriminant #1

Date _____ Period _____

Write the quadratic equation in Standard Form. Identify the values of a, b, and c. Find the value of the discriminant & state the number of real solutions

1) $9b^2 - 10b = 0$

2) $8a^2 - 8a + 2 = 0$

3) $2p^2 + 4p + 2 = 0$

4) $-3n^2 + 4n - 14 = -8$

5) $2x^2 + 8x + 14 = 6$

6) $10x^2 + 7x + 2 = -7$

$$7) \ r^2 = -4 + 4r$$

$$8) \ 3a^2 = 6a - 3$$

$$9) \ -2n^2 - 7 = -9n$$

$$10) \ 9m^2 + 3m + 17 = 9$$

$$11) \ -8p^2 + p - 2 = 9p$$

$$12) \ p^2 + p - 6 = 2 - 6p$$