

Name: _____

Math is Gold

Date: _____

Topic: Quadratic Equations

(id:quad_root_num_M.1)

Title: Find the discriminant (D) of the quadratic equation and determine the number of real roots of the equation.

1) $x^2 - 6x + 9 = 0$

2) $49x^2 - 14x + 1 = 0$

3) $36x^2 - 60x + 25 = 0$

4) $9x^2 - 6x + 1 = 0$

5) $25x^2 - 20x + 4 = 0$

6) $x^2 + 6x + 5 = 0$

$$7) 2x^2 + 5x + 3 = 0$$

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

$$9) x^2 - 4x + 1 = 0$$

$$10) x^2 - x - 1 = 0$$

$$11) x^2 - 6x + 10 = 0$$

$$12) x^2 - 10x + 27 = 0$$

$$13) 9x^2 - 6x + 2 = 0$$

$$14) 4x^2 - 4x + 3 = 0$$

$$15) 3x^2 - 2x + 2 = 0$$