

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Use the Quadratic Formula and the Discriminant****Find the value of the discriminant of each quadratic equation**

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

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

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

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

5)  $5x^2 + 6x + 4 = 0$

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

7)  $8x^2 - 9x = 0$

8)  $2x^2 + 5x - 4 = 0$

9)  $x(x - 1)$

10)  $3x^2 - 5x + 1 = 0$



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

-7

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

76

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

17

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

96

5)  $5x^2 + 6x + 4 = 0$

-44

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

41

7)  $8x^2 - 9x = 0$

81

8)  $2x^2 + 5x - 4 = 0$

57

9)  $x(x - 1)$

21

10)  $3x^2 - 5x + 1 = 0$

13