**Unit 5/ Day 4 ASSIGNMENT** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Quadratic Formula & Discriminant

**Part 1: Use the quadratic formula to solve the quadratics.**

1. X2 – 8x + 15 = 0

1. X2 = 4x – 1
2. 3x2 + 4x + 6 = 0
3. X2 + 10x + 22 = 0

**Part 2: Find the value of the discriminant and tell the nature of the roots**

1. X2 + 5x + 8 = 0
2. X2 – 5x + 4 = 0
3. 4x2 + 4x = -1
4. 4x2 – 16x + 11 = 0