

# HOMEWORK: QUADRATIC FORMULA

NAME: \_\_\_\_\_

DAY 14 DUE: \_\_\_\_\_

Use the Quadratic Formula to solve the quadratic equations

1.  $x^2 + 14x + 1 = 0$

2.  $x^2 + 5x + 4 = 0$

3.  $5x^2 - 2 = -62$

4.  $2x^2 + 5x = -3$

Solve using the quadratic formula.

5. $2x^2 + 10x = 0$	6. $4x^2 + 12x = -9$
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Fill in the table!

Function	Discriminant	Number and Type of Solutions	Possible Graph
1. $y = x^2 - 8x + 17$			
2. $y = x^2 - 8x + 16$			
3. $y = x^2 - 8x + 15$			
4. $y = x^2 - 10x + 23$			