

# Lesson 1.7

Analytic Geometry  
Mrs. Rape

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

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

## **COLLABORATIVE WORK: USING THE QUADRATIC FORMULA**

### **INSTRUCTIONS:**

- 1. Pair up with a partner (not your best friend)*
- 2. Identify the "a", "b", and "c" for each problem*
- 3. Solve using the quadratic formula*

1.  $x^2 + 5x + 3 = 0$

a= \_\_\_\_\_ b= \_\_\_\_\_ c= \_\_\_\_\_

2.  $3x^2 + 10x + 7 = 0$

a= \_\_\_\_\_ b= \_\_\_\_\_ c= \_\_\_\_\_

# Lesson 1.7 continued

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3.  $x^2 + 11x = -6$

a= \_\_\_\_\_ b= \_\_\_\_\_ c= \_\_\_\_\_

4.  $x^2 + 10x = 200$

a= \_\_\_\_\_ b= \_\_\_\_\_ c= \_\_\_\_\_

5.  $5x^2 + 6x = -2$

a= \_\_\_\_\_ b= \_\_\_\_\_ c= \_\_\_\_\_