Name:_____ Date:_____
UNIT 8 **LESSON 10**

Do Now: Simplify and state the answer in simplest radical form and in decimal form (round answer to the nearest hundredth).

$$\frac{-2 + 6\sqrt{7}}{4}$$

Simplest radical Form_____ Decimal form_____

AIM: SOLVING QUADRATIC EQUATIONS USING THE QUADRATIC FORMULA (Day 2)

Directions: Find the roots of the following quadratic equations and express the answers in simplest radical form and decimals rounded to the nearest tenth.

1. $x^2 - 4x = 6$

Simplest radical form _____

Decimal form_____

2. $x^2 - 8 = 0$

Simplest radical form _____

Decimal form_____

3. $x^2 - 10x = 25$

Simplest radical form _____

Decimal form_____

4. $x^2 = -2x + 1$

Simplest radical form _____

Decimal form _____

5. **EXIT CARD: Complete problem on loose-leaf.** $x^2 = -6x + 2$

Name:_____   Date:_____
UNIT 8   **LESSON 10**

HW#_____

1) Solve for the zeros by completing the square and then using the same equation, solve using the
   quadratic formula in *simplest radical form* and round decimals to the nearest tenth.

Completing the Square	*Quadratic Formula*
a) $x^2 + 4x - 1 = 0$	b) $x^2 + 4x - 1 = 0$

Simplest radical form _____

                                      Simplest radical form _____

Decimal form_____

                                        Decimal form_____

Don't forget Textbook Homework!