NAME:

DATE:

A2.Q2.BERMELLEMBO: SOLVING QUADRATIC EQUATIONS BY FORMULA

DAY EQ2
(EQUATIONS)

MASTERY PRACTICE

THE QUADRATIC FORMULA FOR EQUATIONS OF THE FORM: $ax^2 + bx + c = 0$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Solve the equation by using the **quadratic formula**. BOX YOUR ANSWER

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

Solve the equation by using the **quadratic formula**. BOX YOUR ANSWER

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

Solve the equation by using the **quadratic formula**. BOX YOUR ANSWER

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

Solve the equation by using the **quadratic formula**. BOX YOUR ANSWER

4. $5x^2 - 3x + 4 = 0$

Solve the equation by using **factoring**. BOX YOUR ANSWER

5. $x^2 - 6x + 9 = 0$

Solve the equation by using **factoring**. BOX YOUR ANSWER

6. $3x^2 - x = 4$

REVIEW: Solve the equation using any method. BOX YOUR ANSWER

7. $(x-1)(x+8)(5x-3)(2x+7)=0$

8. Simplify the expression that includes the imaginary number ***i***

A. $2i(5i)$

B. $(2i+5)(3i-2)$