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

**Day 3 - Solving Quadratics by Completing the Square Practice**

Steps for Solving Quadratics by Completing the Square (works only when a = 1):

1. Move constant to the other side by adding or subtracting

2. Add to both sides

3. Use number diamonds or perfect square trinomials to factor left side.

4. Take the square roots of both sides.

5. Solve for x.

1. x2 + 12x + 20 = 0 2. x2 – 8x + 6 = 0

3. x2 + 2x -63 = 0 4. x2 + -8x + 21 = 6

5. x2 + 2x - 48 = -6 6. x2 - 2x = 3