**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Completing the Square Worksheet**

**Solve each equation (if possible) using the *completing the square* method.**

1. x2 + 10x = 24 2. x2 + 10x = 23 3. x2 - 10x = 0

4. x2 -8x = 3 5. x2 +2x = 13 6. 0 = x2 - 6x + 3

7. x2 +8x + 12 = 0 8. x2 - 7x + 10 = 0 9. x2 –x = 30

10. x2 -5x = 11 11. x2 +3x = -1 12. x2 +2x = -2