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

**Solving Quadratic Equations by Completing the Square**



* “a” needs to be \_\_\_\_
* “b” needs to be \_\_\_\_\_\_\_\_\_\_

**Find the value of *c* that makes the expression a perfect square trinomial.**

1.

**Write the perfect square trinomial as a binomial squared.**

1.
2.
3.

**Solving Quadratic Equations by Completing the Square**

1. Move the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the other side.
2. Add to **\_\_\_\_\_\_\_\_\_\_\_** sides of the equation.
3. Factor !
4. Take the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of both sides.
5. Solve for x.
6. Check your answers!!!

Solve each equation.

1. 

Challenge

1. 
2. 