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

**Solving Quadratic Equations by Factoring**

**Solving Quadratic Equations by Factoring**

1. Put the equation in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ !
3. Set each factor equal to **zero** and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. Check your answers!!!

Solve each equation.

1. 
2. 
3. 
4. 
5. 
6. 

**Solving Quadratic Equations by Taking the Square Root**

**Solving Quadratic Equations by Completing the Square**

1. Get the \_\_\_\_\_ or the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ squared by itself
2. Take the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of BOTH sides of the equal sign
3. Don’t forget the \_\_\_\_ sign
4. Simplify
5. Check your answers!!!

Solve each equation.

1. 
2. 
3. 
4. 
5. 
6. 