Solve by Completing the Square

Steps:

- 1. Remember *a must be = 1* to use this method.
- 2. *Isolate* x^2 + bx on left side of the equal sign and the constant *c* on the right side.
- 3. *Take \frac{1}{2}* of the coefficient *b* of the *bx* term.
- 4. *Square that result* and *add* that to *both sides* of the equation.
- 5. Create (factor) a perfect square... Left side will be in the form: $(x b/2)^2$ or $(x + b/2)^2$
- 6. *Take the square root* of *both sides* to isolate the variable. *Don't forget the* \pm

