## SOLVING EQUATIONS

- **OBJECTIVES:** 1) Determine the domain of a variable.
  - 2) Solve literal equations.
  - 2) Solve quadratic equations.

## WHAT IS "LEGAL"?

1) Adding/Subtracting same quantity on both sides of an equation produces equiv. equation.

- 2) Multiplying/Dividing both sides by the same nonzero quantity produces equiv. equation.
- 3) Simplifying an expression on either side of an equation produces an equiv. equation.

Seem easy? Well it's very easy to make algebraic mistakes. We'll talk about common ones in class.

1.3 Notes



Use the "complete the square method" to derive the formula to the solution to  $ax^2 + bx + c = 0$ .

