

Factoring

How do we use it?

Example:

Example:

Square Roots

How do we use it?

Example:

Example:

Completing the Square

How do we use it?

Example:

Example:

Quadratic Formula

How do we use it?

Example:

Example:

$$x^2 + 3x + 2 = 0$$

$$a = 1$$

It is factorable

$$3x^2 - 48 = 0$$

There is no x term

OR

$$2(x - 3)^2 - 16 = 0$$

There is an expression squared

$$x^2 + 4x + 9 = 0$$

$$a = 1$$

It is not factorable

b is even

$$2x^2 + 3x + 7 = 0$$

$$a \neq 1$$

It is not factorable or it is not easy to factor

Quadratic Formula works EVERY time!!!!