

Quadratic Equation

$$y = ax^2 + bx + c$$

This is the basic Quadratic Form

Steps to solving quadratic equations by factoring...

$$0 = x^2 + 4x - 12$$

1. Set one side equal to zero.
2. Factor the side not equal to zero.
3. Set both factors equal to zero.
4. Solve both factors for x .

Steps to solving quadratic equations by **factoring**...

$$8x = 2x^2$$

1. Set one side equal to **zero**.
2. **Factor** the side not equal to **zero**.
3. Set both **factors** equal to **zero**.
4. Solve both **factors** for x .

Steps to solving quadratic equations by **factoring**...

$$8x = x^2 + 15$$

1. Set one side equal to **zero**.
2. **Factor** the side not equal to **zero**.
3. Set both **factors** equal to **zero**.
4. Solve both **factors** for x .

Steps to solving quadratic equations by **factoring**...

$$4x^2 = 8x^2 - 25$$

1. Set one side equal to **zero**.
2. **Factor** the side not equal to **zero**.
3. Set both **factors** equal to **zero**.
4. Solve both **factors** for x .