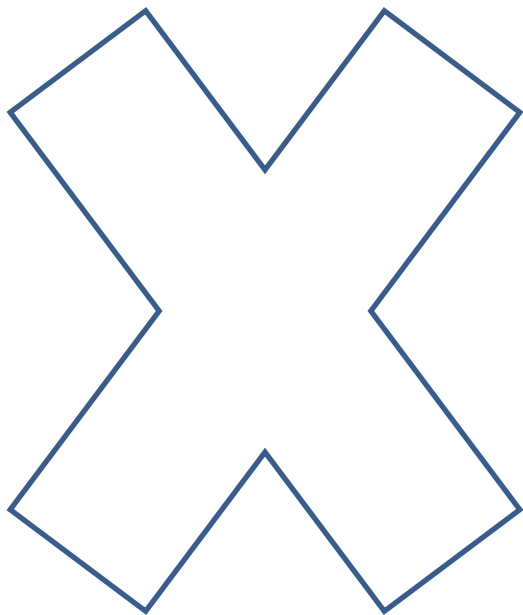


## Solve by taking the square root.

$$(x + 1)^2 - 4 = 0$$

(vertex form)

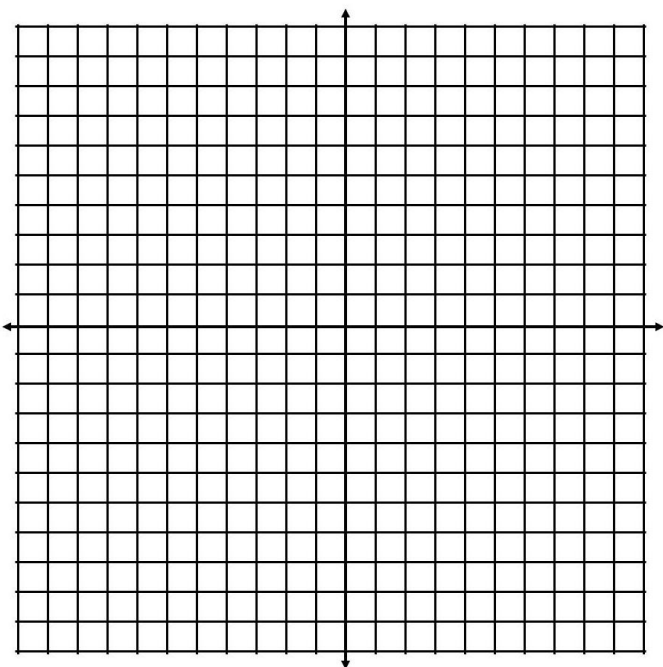
↑ P  
E  
MD  
AS



## Solve by graphing.

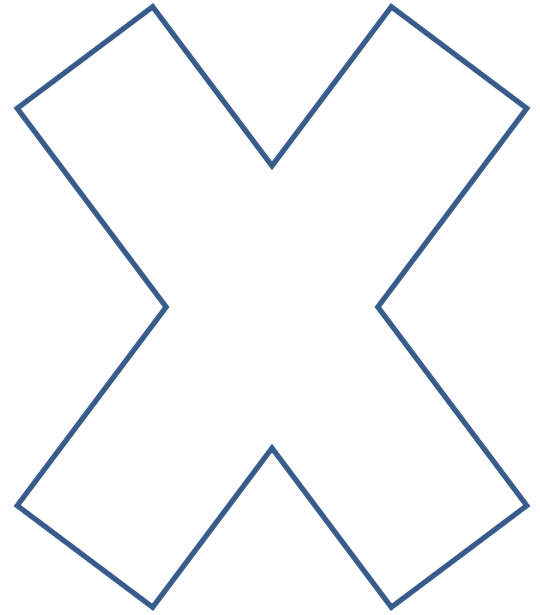
$$f(x) = x^2 + 2x - 3$$

(standard form)



## Solve using the quadratic formula.

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



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

**Solve by factoring.**

**Solve.**

$$f(x) = (x + 3)(x - 1)$$

(intercept form)

**Methods for Solving Quadratics**

**Find the:**

- **roots**
- **x-intercepts**
- **solutions**
- **zeros**