11.2 - Solving Quadratics Using Square Roots

- 1. Rewrite the equation in the form $ax^2 = c$.
- 2. Isolate x^2 .
- 3. Find square roots. * Remember + and values!

Examples:

1.
$$5x^2 - 180 = 0$$

 $5x^2 = 180$

$$x^2 = 36$$

$$2. \ 4x^2 - 25 = 0$$

$$\chi^2 = \frac{25}{4}$$

3.
$$3x^2 = 24$$

$$x = \pm \sqrt{s}$$

$$4. \ x^2 - \frac{1}{4} = 0$$