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$$\left(\frac{x}{4}\right)^2 = \frac{16}{4}$$

Simplify the right hand side.

$$x - \frac{9}{4} = \pm \frac{1}{4}$$

Square root both sides.

$$x = \frac{9}{4} \pm \frac{1}{4}$$

Solve for x

$$x = \frac{5}{2} \text{ or } x = 2$$

3. The **Quadratic Formula**: