

## Solve Radical Equations

Solve each radical equation. Be sure to check your solutions.

$$\text{a) } \frac{\sqrt{x+9}}{4} = 3$$

$$\text{b) } \frac{12}{\sqrt{x+9}} = 3$$

$$\text{c) } \sqrt{x^2+9} = 5$$

$$\text{d) } \sqrt{x^2-6x} = 4$$

$$\text{e) } \frac{5}{\sqrt{x-2}} = 5$$

$$\text{f) } \frac{5}{\sqrt{x-2}} = 5$$

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## Solve Radical Equations

Solve each radical equation. Be sure to check your solutions.

$$\text{a) } \frac{\sqrt{x+9}}{4} = 3$$

$$x = 135$$

$$\text{b) } \frac{12}{\sqrt{x+9}} = 3$$

$$x = 7$$

$$\text{c) } \sqrt{x^2+9} = 5$$

$$x = 4 \text{ or } x = -4$$

$$\text{d) } \sqrt{x^2-6x} = 4$$

$$x = 8 \text{ or } x = -2$$

$$\text{e) } \frac{5}{\sqrt{x-2}} = 5$$

$$x = 3$$

$$\text{f) } \frac{5}{\sqrt{x-2}} = 5$$

$$x = 9$$

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