

Solve Radical Equations

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

a) $2x = \sqrt{4x - 1}$

b) $\sqrt{4x - 1} = 2 - 2x$

c) $x + 2 = 4\sqrt{x - 2}$

d) $\sqrt{2x - 8} + \sqrt{3x - 12} = 0$

e) $x = 2\sqrt{x - 4} + 4$

f) $x - 2 = \sqrt{9x - 36}$

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$$\frac{1}{2}$$

b) $\sqrt{4x - 1} = 2 - 2x$

$$\frac{1}{2}$$

c) $x + 2 = 4\sqrt{x - 2}$

$$6$$

d) $\sqrt{2x - 8} + \sqrt{3x - 12} = 0$

$$4$$

e) $x = 2\sqrt{x - 4} + 4$

$$4, 8$$

f) $x - 2 = \sqrt{9x - 36}$

$$5, 8$$

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