

Solving RADICAL EQUATIONS:

There are two types of RADICAL EQUATIONS. The of solving radical equations is to the number of with in the problem. To do this you MUST get on side of the = by

Type one has only radical. $\sqrt{x-1} + 5 = 7$

Type two has radicals separated by or (if you are lucky) separated by the

$$\sqrt{-4-5r} - \sqrt{-3-3r} = 1$$

You MUST check for solutions. These are solutions that when plugged back into the original .

Solve each equation. Remember to check for extraneous solutions

$$8 = \sqrt{1-63n}$$

Step one: Get the radical by itself on one side and all the other stuff on the other side.

$$8 = \sqrt{1-63n}$$

Step two: Undo the square root by squaring both sides of the equation.

Step three: SOLVE the equation

Step four: Check your answer

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$$1 + \sqrt{b + 8} = 6$$

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$$\sqrt{3x} = x$$

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