

Solving Radical Equations

Step 1: Isolate the radical symbol.

Step 2: Square both sides of the equation.

Step 3: Solve for the variable.

Step 4: Check your solutions.

Directions: Find all solutions to each radical equation. Check your solution in the original equation.

1. $3\sqrt{x} - 2 = 0$

2. $\sqrt{x-5} - 4 = 0$

3. $\sqrt{6-x}+7=0$

4. $\sqrt[3]{2x-1}-3=0$

5. $\sqrt{x+2} = \sqrt{3x+4}$

6. $\sqrt{2x-7} - x = -2$

7. $\sqrt{x} + \sqrt{x-20} = 10$

8. $\sqrt{2x-5} - \sqrt{x-3} = 1$