

Worksheet #3 - Radical Equations

Solve the following. Be sure to check for extraneous solutions.

1. $\sqrt{x+2} = 3$

2. $\sqrt{4x+9} = 5$

3. $\sqrt[3]{5-11x} = 3$

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

5. $\sqrt{x+7} = x-5$

6. $\sqrt{x+5} = x-1$

7. $\sqrt{2x+15} = x+6$

8. $\sqrt{3x+19} = x-3$

9. $\sqrt{5x+6} = 3 + \sqrt{x+3}$

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