

Radical Equations Worksheet

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. $\sqrt[5]{x-4} + 8 = 11$

8. $(x-2)^{\frac{2}{3}} = 9$

9. $4(x+8)^{\frac{3}{2}} + 1 = 33$

10. $(2x-7)^{\frac{5}{9}} = 1$