

## Lesson 28: Solving Radical Equations

Solve.

1)  $\sqrt{x-4} + 7 = 12$

2)  $\sqrt{x+4} + 1 = 11$

3)  $\sqrt{x-1} + 4 = 1$

4)  $\sqrt{x+14} + 12 = 5$

5)  $\sqrt{2x-4} + 1 = 12$

6)  $\sqrt{3x+4} + 8 = 11$

Solve.

7)  $x + 4 = \sqrt{x+10}$

8)  $x - 2 = \sqrt{x+10}$

9)  $\sqrt[3]{x+2} = 1$

10)  $\sqrt[3]{2x+1} = 5$

11)  $\sqrt[4]{x+2} = 2$

12)  $\sqrt[4]{3x+2} = 44$