

Math 2 Radical Equations

Solve the following equations. Make sure to check for extraneous solutions.

1) $\sqrt{4x - 8} = 4$

2) $3\sqrt{2x - 1} - 9 = -3$

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

4) $\sqrt{x - 4} = \sqrt{2x - 13}$

5) $x = \sqrt{x^2 - 5x + 15}$

6) $\sqrt{4x + 12} = x$

7) $\sqrt{5 - x} = x + 1$

8) $\sqrt{1 - 2p - p^2} = p + 1$

9) $\sqrt{2 - x} + 2 = x$