

Solving Radical Equations

Date _____ Period _____

Solve each equation. Remember to check for extraneous solutions.

1) $2 = \sqrt{2k}$

2) $1 = \sqrt{a}$

3) $5 = \sqrt{x+4}$

4) $1 = \sqrt{\frac{b}{4}}$

5) $\sqrt{18-m} = \sqrt{m-2}$

6) $\sqrt{-4b} = 0$

7) $n = \sqrt{56-n}$

8) $a = \sqrt{12-a}$

9) $b = \sqrt{20-2b} + 10$

10) $-8 = -n + \sqrt{46-7n}$

11) $x+4 = \sqrt{2x+23}$

12) $-1 = \sqrt{-4m} - m$

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10) $-8 = -n + \sqrt{46-7n}$

No solution.

11) $x+4 = \sqrt{2x+23}$

{1}

12) $-1 = \sqrt{-4m} - m$

No solution.