

Solve Radical Equations Day 1

Date _____ Period _____

Solve each equation. Remember to check for extraneous solutions.

1) $\sqrt{m+3} = 6$

2) $\sqrt{r+3} = 1$

3) $\sqrt{12n+1} = 5$

4) $8\sqrt{21x+1} = 64$

5) $9 = 9\sqrt{5-2b}$

6) $14 = 7 + \sqrt{v+2}$

$$7) \sqrt{2 - 2n} = 0$$

$$8) 6\sqrt{2x} = 24$$

$$9) 3 = \sqrt{2 - k}$$

$$10) -8\sqrt{5x} = -80$$

$$11) -2 = -3 + \sqrt{3n + 25}$$

$$12) -18 = -3\sqrt{\frac{x}{3}}$$

$$13) \sqrt{-7 - 11m} = 9$$

$$14) 9 = \sqrt{8 - 4a} + 3$$

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 $\{33\}$

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5) $9 = 9\sqrt{5-2b}$

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 $\{47\}$

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$$\{108\}$$

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