

10.4B More Solving Radical Equations

Period _____

Solve each equation. Remember to check for extraneous solutions.

1) $\sqrt{r-4} = 5$

2) $-5 = -5 + \sqrt{a}$

3) $5 = \sqrt{m} - 2$

4) $13 = \sqrt{\frac{m}{7}} + 4$

5) $-4 = -2\sqrt{2n-2}$

6) $-6\sqrt{\frac{v}{8}} = -18$

7) $-3 = -4 + \sqrt{\frac{n}{3}}$

8) $\sqrt{4x} = 2$

9) $-60 = -6\sqrt{4-16x}$

10) $-4\sqrt{24-2v} = -24$

$$11) 3 = \sqrt{v+2}$$

$$12) \sqrt{14-5r} = 8$$

$$13) 4 + \sqrt{11v+12} = 14$$

$$14) \sqrt{2n-13} - 8 = -7$$

$$15) -12 = -4\sqrt{3m}$$

$$16) -30 = -3\sqrt{x}$$

$$17) \sqrt{16x} - 8 = 0$$

$$18) -9 = -3\sqrt{4a+9}$$

$$19) 2\sqrt{9-4x} = 14$$

$$20) \sqrt{5-k} + 7 = 7$$