

4.3 Solving Radical Equations

Period _____

Solve each equation. Remember to check for extraneous solutions.

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

2) $\sqrt{n} = 4$

3) $7 = \sqrt{50 - a}$

4) $9\sqrt{63v+1} = 72$

5) $\sqrt{20-x} = \sqrt{x}$

6) $\sqrt{\frac{x}{8}} = \sqrt{2x-45}$

$$7) \sqrt{3b+28} = \sqrt{-8-b}$$

$$8) \sqrt{2p-3} = \sqrt{17-2p}$$

$$9) \sqrt{9p} = p$$

$$10) \sqrt{6-n} = n$$

$$11) \sqrt{-42+13x} = x$$

$$12) \sqrt{110-m} = m$$

$$13) (-6+5a)^{\frac{1}{2}} = a$$

$$14) (-56+15n)^{\frac{1}{2}} = n$$