

Name _____
Mr. Schlansky

Date _____
Pre Calculus

Solving Radical Equations

Solve the following radical equations and CHECK each solution

1. $\sqrt{x-4} = 6$

2. $5\sqrt{4x-8} + 2 = 12$

3. $5 + \sqrt{x+5} = 7$

4. $2\sqrt{2x-1} + 8 = 16$

5. $4 + \sqrt{2x-5} = 1$

6. $\sqrt{x^2 + x} = \sqrt{4x+10}$

$$7. x = \sqrt{7x-12}$$

$$8. x+4 = \sqrt{x+6}$$

$$9. x = 1 + \sqrt{x+5}$$

$$10. 3 = -x + \sqrt{x+5}$$

$$11. x = 2 + \sqrt{x+4}$$

$$12. \sqrt{4y+3} = 2y$$