

## SOLVING RADICAL EQUATIONS PT. 1

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each equation.****CHECK EACH SOLUTION!**

1)  $\sqrt{6-n} = \sqrt{11-2n}$

2)  $\sqrt{4k} = \sqrt{3k+1}$

3)  $\sqrt{12-2r} = \sqrt{8-r}$

4)  $\sqrt{8-2r} = \sqrt{2r}$

5)  $\sqrt{7-v} = \sqrt{3v-1}$

6)  $-3 + \sqrt{x} = 0$

7)  $9 = \sqrt{v} + 5$

8)  $5 = 3 + \sqrt{x}$

9)  $-5 + \sqrt{n} = -3$

10)  $6 = \sqrt{p-4} + 5$

$$11) 9 = \sqrt{28x - 3}$$

$$12) 0 = -5\sqrt{3n - 6}$$

$$13) 6 = \sqrt{9 - 3n}$$

$$14) 10 + \sqrt{-2 - 3n} = 14$$

$$15) -49 = -7\sqrt{25k - 1}$$

$$16) \sqrt{4x - 2} = \sqrt{3x + 1}$$

$$17) \sqrt{11 - m} = \sqrt{17 - 2m}$$

$$18) \sqrt{-9 - 2r} = \sqrt{-2 - r}$$

$$19) \sqrt{-3 - 2x} = \sqrt{2x + 9}$$

$$20) \sqrt{-8 - 2b} = \sqrt{-2 - b}$$