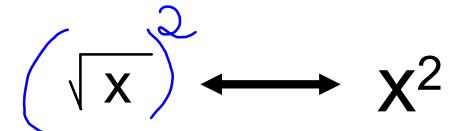
## **SQUARE VS. SQUARE ROOTS**



What is the opposite of a square root?

**SOLVING RADICAL EQUATIONS** 

1. I Solate Radicals V

2. Square Both Sides

3. Solve + CHECK

(YOU MUST ALWAYS CHECK SOLUTIONS)

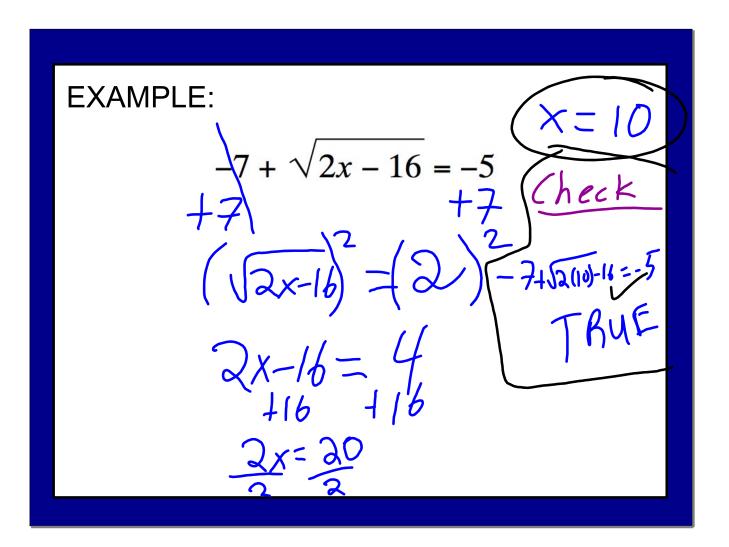
EXAMPLE: 
$$\frac{10\sqrt{n} = 30}{10} \quad Check$$

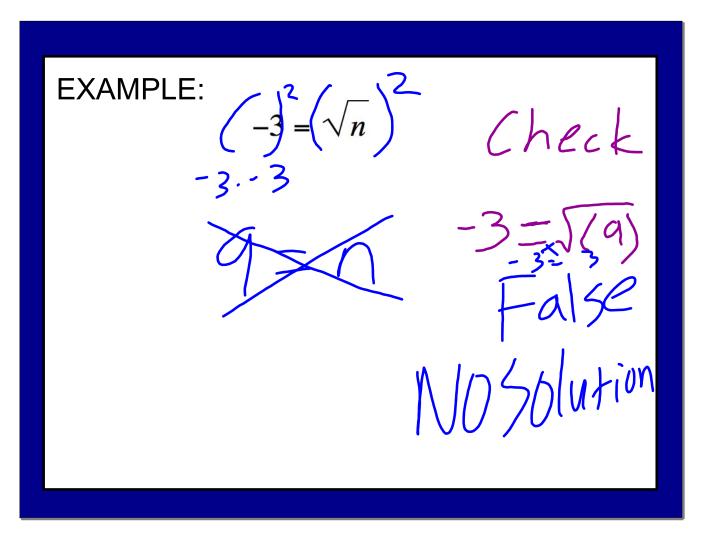
$$(3)^{2} \quad 10\sqrt{9} = 30$$

$$(3)^{2} \quad 10\sqrt{9} = 30$$

$$10\cdot 3 = 30$$

$$30 = 30$$





EXAMPLE: 
$$(\sqrt{4n}) = (\sqrt{3n+2})$$
 Check  $(\sqrt{4n}) = (\sqrt{3n+2})$  Check  $(\sqrt{4n}) = (\sqrt{3n+2})$   $(\sqrt{4n}) = (\sqrt{4n})$   $(\sqrt{4n}) = (\sqrt{4n})$ 

EXAMPLE: 
$$(\sqrt{23-2x}) = (\sqrt{16-x})^2$$

$$(\sqrt{23-2x}) = (\sqrt{23-x})^2$$

$$(\sqrt{23-2x}) = (\sqrt{23-x})^2$$