Algebra I 11-5 Square Roots of Variable Expressions

$$\sqrt{7^2} = 7$$

 $\sqrt{2^2} = 2$
 $\sqrt{(642)^2} = 642$
 $\sqrt{(-4)^2} = 4$, answer to a square root
cannot be negative

True / False 1) x is always positive. False; x = -7 2) -x is always negative. False, 3) x^2 is always positive. False; o²=0 4) x^2 is never negative. True. 5) The answer to a square root may not be negative Thus, $\sqrt{x^2} = \mathbf{k}$







