Name: _____



Lesson Guide

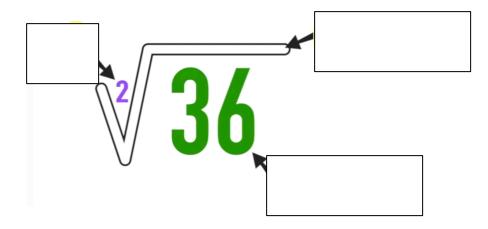
This lesson guide accompanies the following video lesson:

$\sqrt[b]{\mathbf{X}^{a}} = \mathbf{X}^{\frac{a}{b}}$ $b \neq 0$

Fractional Exponents

Key Questions and Info:

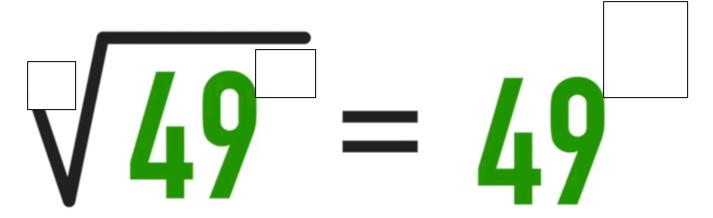
Quick Review of Radicals



$$\sqrt{36} = 6$$

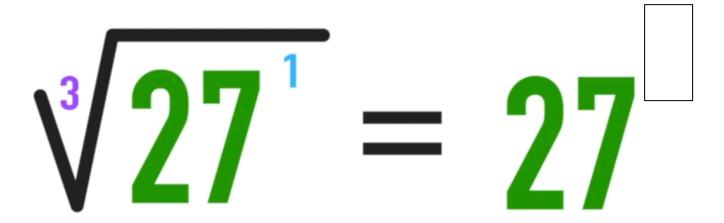
is another way of expressing powers and roots together!

Example 01



Both are and equal to 7.

Example 02



Both are equivalent and equal to

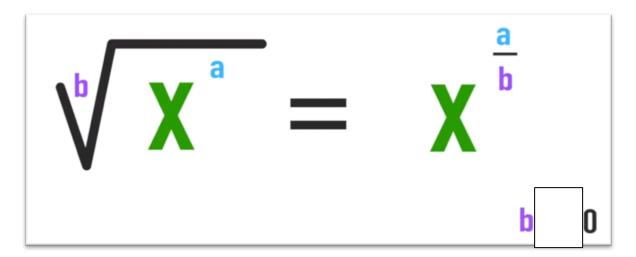
Example 03



My Answer:

Both are equivalent and equal to approximately

RULE: Fractions as Exponents



Why do think it is important to note that $b \neq 0$?