



## Practice Run

Complete the table.

$y = \sqrt[n]{x}$	$y$	$y^n$	$x$
$\sqrt{9}$	3	$3^2$	9
$\sqrt{49}$			
$\sqrt{121}$			
$\sqrt[3]{27}$	3	$3^3$	27
$\sqrt[3]{8}$			
$\sqrt[3]{512}$			

$\sqrt[3]{8} = 2 = \text{cube root of } 8$   
8 is a perfect cube.



### Equipment Room

The back section of this unit contains an *Equipment Room*. Refer to this area for assistance with calculator usage and definitions. The solutions to each *Coach's Corner* are also located in the *Equipment Room*.



Compare your answers.

Complete the table.

$y = \sqrt[n]{x}$	$y$	$y^n$	$x$
$\sqrt{9}$	3	$3^2$	9
$\sqrt{49}$	7	$7^2$	49
$\sqrt{121}$	11	$11^2$	121
$\sqrt[3]{27}$	3	$3^3$	27
$\sqrt[3]{8}$	2	$2^3$	8
$\sqrt[3]{512}$	8	$8^3$	512