

# Sheet Title

## Example Problems

EXAMPLE 1: For the following equation, fill out the table of values.

$$y = 3^x.$$

x	y
-3	
-2	
-1	
0	
1	
2	
3	

SOLUTION:

x	y
-3	$3^{-3} = \frac{1}{3^3} = \frac{1}{27} \approx 0.037$
-2	$3^{-2} = \frac{1}{3^2} = \frac{1}{9} \approx 0.111$
-1	$3^{-1} = \frac{1}{3^1} = \frac{1}{3} \approx 0.333$
0	$3^0 = 1$
1	$3^1 = 3$
2	$3^2 = 9$
3	$3^3 = 27$

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EXAMPLE 2:

SOLUTION:

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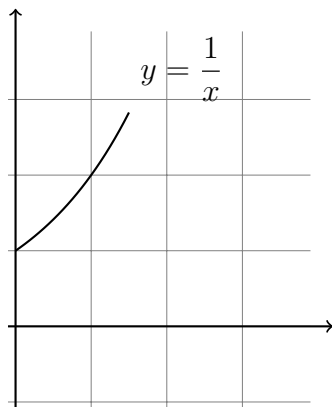
EXAMPLE 3:

SOLUTION:

## Question Bank

NOTE: Any questions where you get a decimal or fraction as an answer can be rounded to 2 decimal places or left as an exact value.

1. Graph of  $y = 2^x$



## Answers

1.