

# 8-1: Exploring Exponential Models

## ► Graphing Exponential Growth

- Example: Graph  $y = 2^x$
- Step 1: Make a table of values
- Step 2: Graph the coordinates with a smooth curve



x	$2^x$	y
-3	$2^{-3}$	$1/8 = 0.125$
-2	$2^{-2}$	$1/4 = 0.25$
-1	$2^{-1}$	$1/2 = 0.5$
0	$2^0$	1
1	$2^1$	2
2	$2^2$	4
3	$2^3$	8

# Practice 8 1 Exploring Exponential Models

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