

Section 8-7: Exponential Functions

An equation that has a variable in the exponent is called an **EXPONENTIAL FUNCTION**

Form of an Exponential Functions:

$$y = a \cdot b^x$$

a: Can't be zero

b: Greater than zero but not equal to 1

x: Any real number

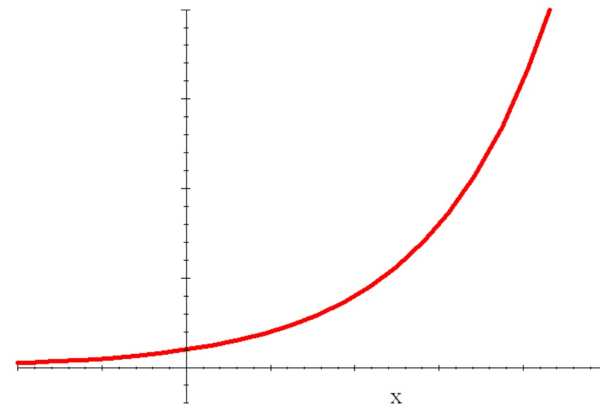
Graphs of an exponential function:

graph $y=2^x$

Use this window:

x: [-2,5]

y: [-2,20]



This graph is called Exponential Growth.