

Exponential Functions Notes

Important Information

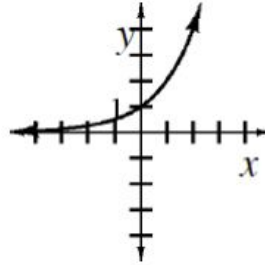
- The simplest form of exponential functions is...

$$y = b^x$$

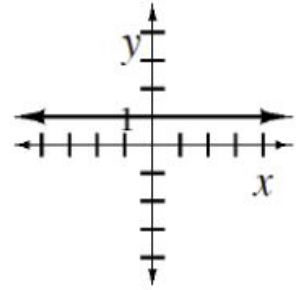
(b is the multiplier)

Examples

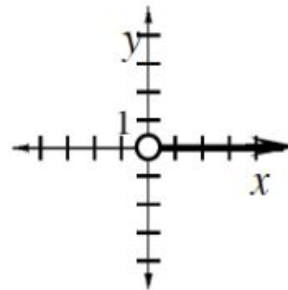
b > 1



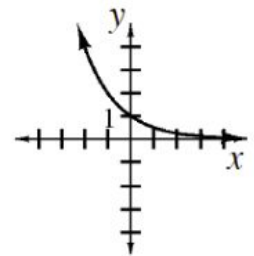
b = 1



b = 0



0 < b < 1



Things to remember!

- Asymptote- a value that you get closer and closer to, but never quite reach.

More Examples

Create 2 of your own. Pick a number for b between 0 and 10. State what b equals and then sketch your 2 graphs below.

b =

b =

