§ 1.4- Exponential Functions, Part 2

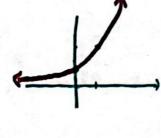
In this video we will'

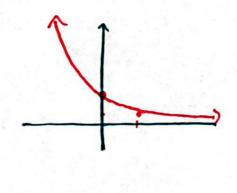
· Sketch the graphs of y=a*

· Introduce the number e and the function $y=e^x$

· Sketch the graph of y=e*

A guide to sketching y=ax, a>0.



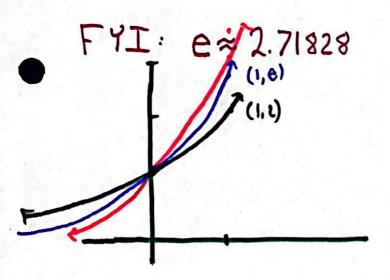


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Just like TT is a magicel # in Geometry e " " Calculus

Definition of e, #1) The exponential function $y = a^x$ crosses the y-axis with slope m=1 when a=e.



What else?

- · Applications of exponential functions
- · Transformations of exponential functions
- · Exponential Functions inside other functions: y= 1+ex