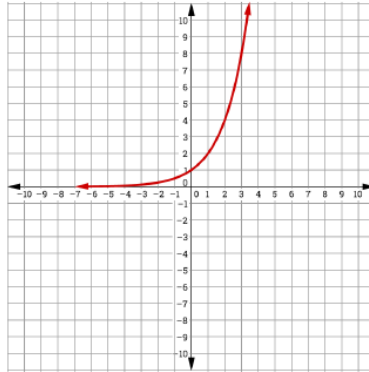


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worksheet 3 graphing exponential functions

Consider the exponential equation  $y = 2^x$ .

- a. Sketch the graph of the exponential equation.



- b. Is the graph increasing or decreasing?  
**Increasing**
- c. Describe the end behavior of the graph.  
As  $x$  increases,  $y$  **increases**.  
As  $x$  decreases,  $y$  **approaches zero**.

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