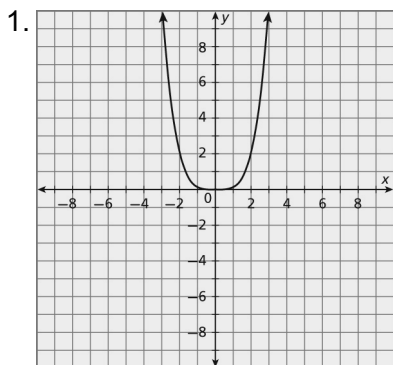


**LESSON**  
**1-2**

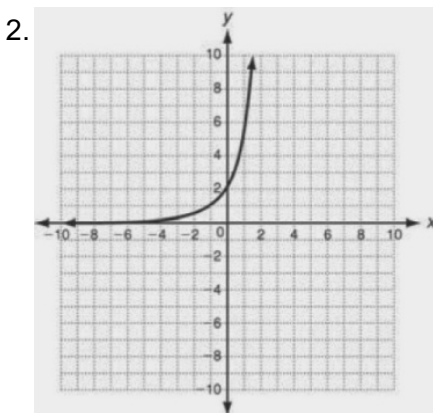
# Characteristics of Function Graphs

## Reteach

Fill in the blanks for the attributes of the functions shown in the graphs below.

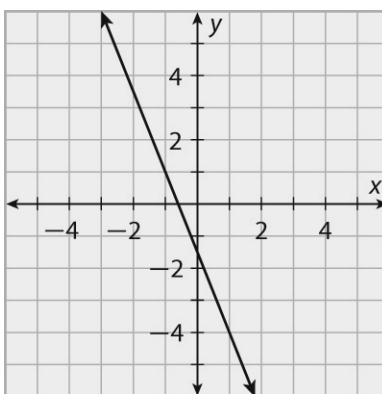


$f(x)$  has a zero at  $x =$  \_\_\_\_\_  
 $f(x)$  is increasing on the interval \_\_\_\_\_  
 $f(x)$  is decreasing on the interval \_\_\_\_\_  
 $f(x)$  has a local minimum of \_\_\_\_\_ at  $x =$  \_\_\_\_\_



$f(x)$  has a zero at  $x =$  \_\_\_\_\_  
 $f(x)$  is increasing on the interval \_\_\_\_\_  
 $f(x)$  is decreasing on the interval \_\_\_\_\_

3. Fill in the blank to describe the end behavior of the graph shown below.



As  $x \rightarrow +\infty$ ,  $f(x) \rightarrow$  \_\_\_\_\_. As  $x \rightarrow -\infty$ ,  $f(x) \rightarrow$  \_\_\_\_\_.