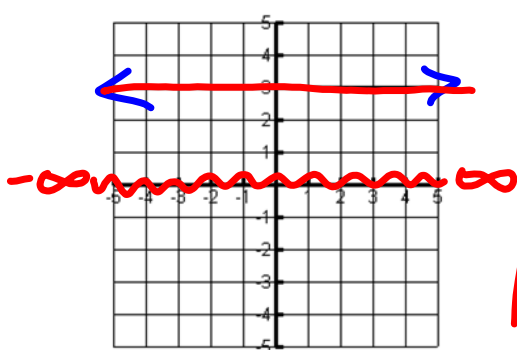
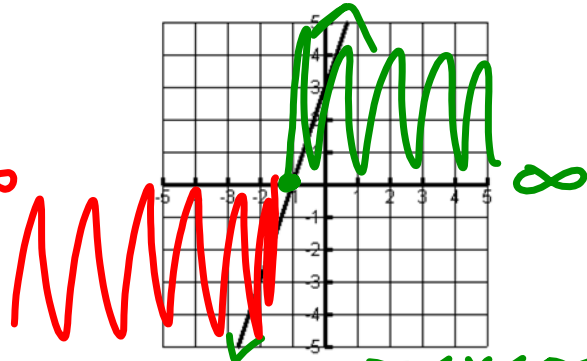


1. Domain:  $-\infty < x < \infty$  or  $\mathbb{R}$   
 Range:  $-\infty < y < \infty$  or  $\mathbb{R}$   
 Max: none Min: none  
 X-Int:  $(9, 0)$  Y-Int:  $(0, 6)$   
 $y > 0$ :  $-\infty < x < 9$   
 $y < 0$ :  $9 < x < \infty$   
 Interval of increase: no  
 Interval of decrease:  $-\infty < x < \infty$   
 Constant Interval: no

2. Domain:  $-\infty < x < \infty$   
 Range:  $-\infty < y < \infty$   
 Max: none Min: none  
 X-Int:  $(4, 0)$  Y-Int:  $(0, -6)$   
 $y > 0$ :  $4 < x < \infty$   
 $y < 0$ :  $-\infty < x < 4$   
 Interval of increase:  $-\infty < x < \infty$   
 Interval of decrease: no  
 Constant interval: no



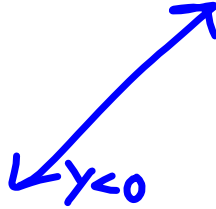
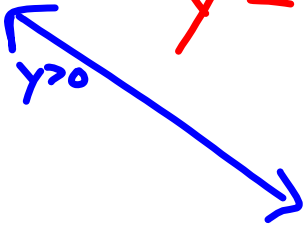
3. Domain:  $-\infty < x < \infty$   
 Range:  $y = 3$   
 Max: none  
 Min: none  
 X-Intercept: none  
 Y-Intercept:  $(0, 3)$   
 $y > 0$ :  $-\infty < x < \infty$   
 $y < 0$ : no  
 Interval of increase: none  
 Interval of decrease: none  
 Constant Interval:  $-\infty < x < \infty$



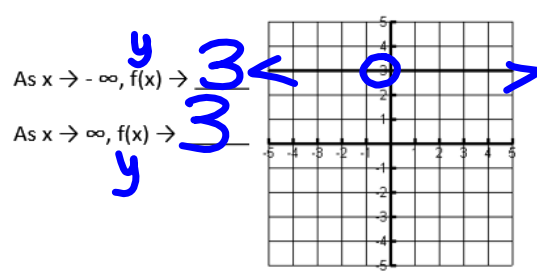
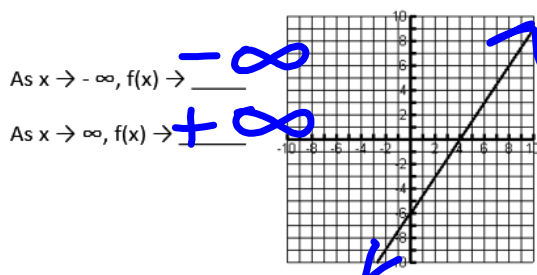
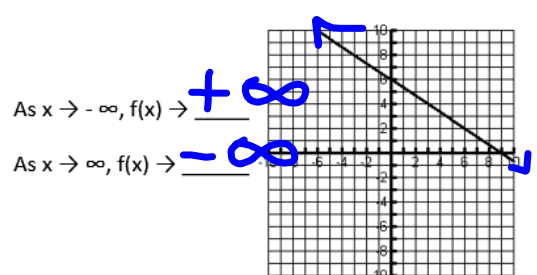
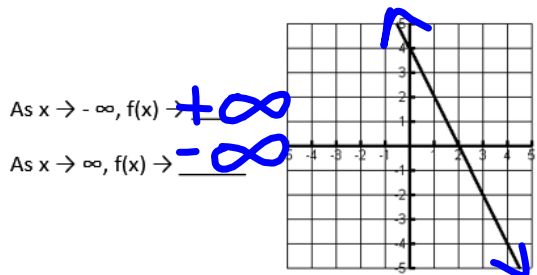
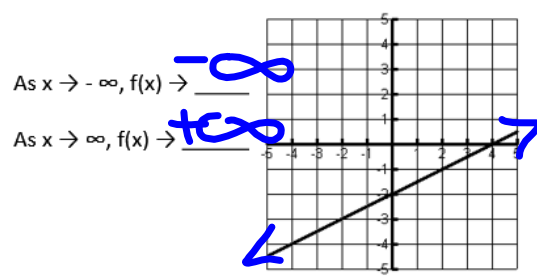
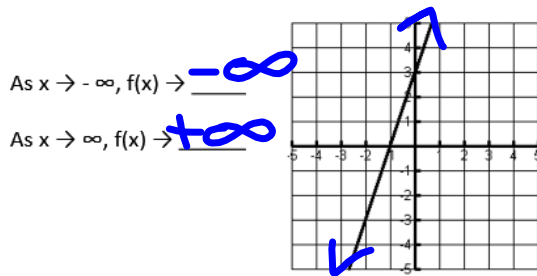
4. Domain:  $-\infty < x < \infty$   
 Range:  $-\infty < y < \infty$   
 Max: none  
 Min: none  
 X-Intercept:  $(-1, 0)$   
 Y-Intercept:  $(0, 3)$   
 $y > 0$ :  $-1 < x < \infty$   
 $y < 0$ :  $-\infty < x < -1$   
 Interval of increase:  $-\infty < x < \infty$   
 Interval of decrease: no  
 Constant interval: no

$$y > 0 \quad -\infty < x < \underline{x-int}$$

$$y < 0 \quad \underline{x-int} < x < \infty$$



Find the end behavior for the following graphs.



Find and describe the characteristics of the graph below in context.

Domain:

Range:

X-Int:

Y-Int:

Max:

Min:

$Y > 0$ :

Interval(s) of Increase:

Interval(s) of Decrease:

Constant Interval(s):

Every morning Tom walks along a straight road from his home to a bus stop, a distance of 160 meters. The graph shows his journey on one particular day.

