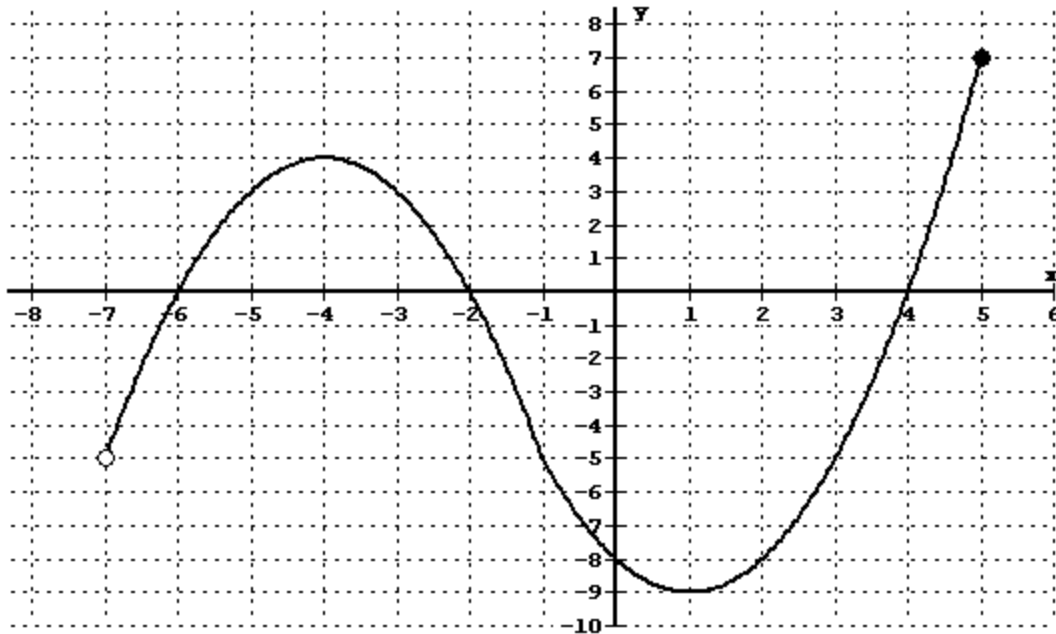


# Analyze the Graph



- 1) Viewing Rectangle  
 Xmin:                      Ymin:  
 Xmax:                      Ymax:  
 Xscl:                        Yscl:
- 2)  $x$ -intercept(s):
- 3)  $y$ -intercept:
- 4) Function?
- 5) Domain:
- 6) Range:
- 7) Where does  $f(x) = 0$  ?  
List the  $x$ -values.
- 8) Where is  $f(x) < 0$  ?  
State the  $x$ -values, interval notation.
- 9) Where is  $f(x) \geq 0$  ?  
State the  $x$ -values, interval notation.
- 10) Find  $f(2)$  .
- 11) Find  $f(-5)$  .
- 12) How many times does the line  $y = 2$  intersect the graph?
- 13) Where does  $f(x) = 4$  ?  
List the  $x$ -values
- 14) Where does  $f(x) = -5$  ?  
List the  $x$ -values
- 15) Find  $f(-1) - f(2)$  .
- 16) Find  $3f(1)$  .
- 17) Absolute Maximum value:
- 18) Absolute Minimum value:
- 19) Relative Maximum value:
- 20) Relative Minimum value:
- 21) Where is the graph increasing?  
State the  $x$ -values, interval notation.
- 22) Where is the graph decreasing?  
State the  $x$ -values, interval notation.
- 23) Is the Graph a One-to-One Function?