Pre Calculus   Name _____
Wksht   Block _____

Using the graph of the function f to answer the following questions.

a)   State the domain: _____

b)   State the range: _____

c)   List the y-intercept(s) _____

d)   List the x-intercept(s) _____

e)   Find $f(4)$ _____

f)   For what values of x does $f(x) = -2$?

      _____

g)   For what values of x is $f(x) \geq 0$?
      Give your answer in interval notation.

      _____

h)   Over what interval(s) is f decreasing?

      _____

i)   Over what interval(s) is f increasing?

      _____

j)   List the local maximum(s).

      _____

k)   List the local minimum(s).

      _____