



Local Minimum(s):

Local Maximum(s):

Absolute Minimum:

Absolute Maximum:

Increasing Intervals:

Decreasing Intervals:

Sketch a graph of the function with a domain of all real numbers that satisfies the following conditions:

g is continuous for all x

$$g(0) = 4$$

$$g(2) = 6$$

$$g(4) = 0$$

g is increasing on $[0,2]$ and $[4, \infty]$

g is decreasing on $[-\infty, 0]$ and $[2,4]$

