

1. For the above graph, determine the following:

Critical numbers:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Absolute Maximum Value:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Absolute Minimum Value:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x-values of local minima: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x-values of local maxima: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ does not exist: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Intervals where f(x) is increasing:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Intervals where f(x) is decreasing:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Determine the **critical numbers** of 
2. Determine the **absolute extreme values** of on [-2, 3].