CC Algebra 2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_ Pd \_\_\_\_

Graphical Analysis - working backwards

Use the graph paper below to sketch a function that satisfies the given conditions. There can be multiple correct answers to this problem, so be sure you are able to defend your decisions about your sketch. Then, answer the questions at the bottom of the page.

Domain:  Range:  Local Maximum at 

Absolute Minimum at  Increasing over the interval 

Decreasing over the interval 

Does your function have an absolute maximum? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ What are the coordinates? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Does your function have a local minimum? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ What are the coordinates? \_\_\_\_\_\_\_\_\_\_\_\_\_\_