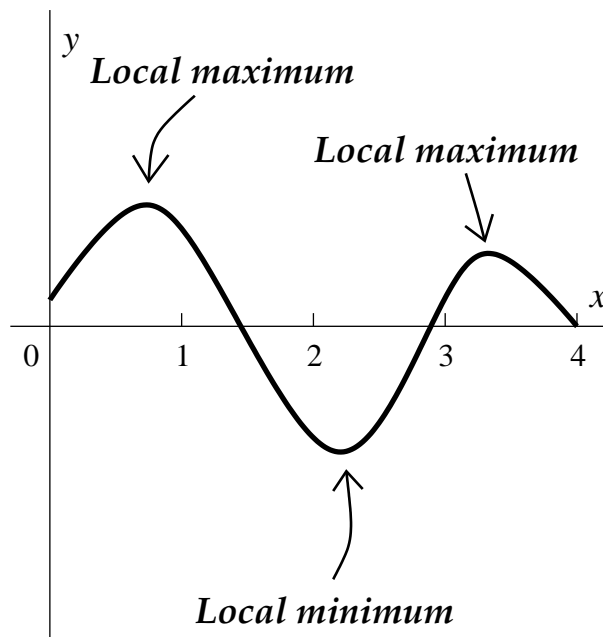**Name** _____   **Section** _____

1. Sketch the graph of a continuous function on $[0, 4]$ which has <u>exactly two local maxima</u> and <u>exactly one local minimum</u>. Be sure to label these on your graph.

THIS IS ONE POSSIBLE VALID ANSWER.
THERE ARE OTHER CORRECT ANSWERS.

2. Sketch the graph of a continuous function on $[0, 4]$ which has <u>an absolute minimum that occurs at an endpoint</u>, and <u>an absolute maximum that occurs at a critical point</u>. Be sure to label these on your graph.

THIS IS ONE POSSIBLE VALID ANSWER.
THERE ARE OTHER CORRECT ANSWERS.