1. Sketch the graph of a continuous function on $[0, 4]$ which has exactly two local maxima and exactly one local minimum. 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 an absolute minimum that occurs at an endpoint, and an absolute maximum that occurs at a critical point. Be sure to label these on your graph.

This is one possible valid answer. There are other correct answers.