

## Pre-class Questions: Section 3.3 and 3.4

1. What is a local maximum?
2. What is a critical number?
3. What can you say about a critical number  $c$  if the value of  $f'(x)$  is positive just below  $c$  and negative just above  $c$ ? Can you draw a picture of this?
4. What questions do you still have about maximums, minimums, increasing, and decreasing?