Mathematics 242 – Principles of Analysis
Definitions Quiz 8 – April 19, 2013

Your Name: ____________________________

A) (5) Let f be a bounded function on the interval $[a, b]$. What does it mean for f to be *integrable* on $[a, b]$?

B) (5) We say a function f has a *local maximum* at c if $f(c) \geq f(x)$ for all x in some interval containing c. True/False and explain your answer: If f has a local maximum at c and $f'(c)$ exists, then $f'(c) = 0$.