Section 4.2: Mean Value Theorem

MATH 130: Calculus I

Due: Friday, April 5, 2019 at 12:20pm	Name (Print):
Be sure to staple your pages together before turn	ext), respond to the following questions on this handouting it in. You must answer all parts to all questions of guidelines handout for details. You are encouraged to our class notes.
Response Section	
1. State Rolle's Theorem (Theorem 4.3).	
	w that the theorem has three hypotheses (or assumptions) the hypotheses of the theorem. (ii) State which hypothesis hold for your function? Why or why not?
3. State the Mean Value Theorem (Theorem 4.4)	
4. Copy Figure 4.16 including all labels and word page 252.) Do you see how this illustrates the Me	s. (Note this figure is the one in the margin at the top of an Value Theorem?

5. Explain why the Mean Value Theorem cannot be applied to the function $f(x) = x $ on the interval $[-a, a]$
for any $a > 0$. (Note that we say a theorem "cannot be applied" when one of the hypotheses of the theorem fails.)
Questions/Exercise Section
6. Write down at least two questions you have on the reading. OR if you have NO questions, do exercise 30 in Section 4.2 (page 248). Be sure to show all steps for full credit! See the salmon homework guidelines handout for details.
Reflection Section
7. Write two or three sentences reflecting on the progress of your recent work in the course. See the salmon homework guidelines handout for details.
Time Section
8. How much time did you spend on this reading assignment?