

GROUP: \_\_\_\_\_  
Fall 2009

Math 235–Calculus Laboratory I

### ***Checklist for Lab 3: Clairaut's Theorem***

Grading Criteria: Each is worth 5 points

*Note: In Question 3(c), at a minimum, show that these inequalities hold graphically. For 3 points extra credit, show that these inequalities hold algebraically (only do this if you have the extra time).*

- Put the lab into a narrative form.  
That is, do not simply enumerate a list of answers. Think about what the big picture is, then how we were able to explain how this function illustrates some points about Clairaut's Theorem.
- Spelling, grammar, punctuation, correct use of LaTeX (parentheses, equation labeling and referencing, etc).
- The mathematics: Is it all clearly explained, correct and complete?

When/What to turn in: The lab is due at the beginning of our next Lab session (either Wed, Oct 21 or Thurs, Oct 22). Email me the PDF file for your lab write up (see the instructions on our course website), with Lab 3X or Lab 3Y in the subject line. You only should turn in one copy per group (so be sure everyone's name is on what you turn in!)