Name		
Student I.D.		

Math 1210-3 Exam #2 retake problems 4,5 March 7, 2008

Please show all work for full credit. This exam retake is closed book and closed note, but you are allowed a scientific calculator. (NOT a graphing calculator, though.) There are 25 points possible on the related rates problem and 10 possible on the differentials problem. You may choose to work one or both problems. If either score is higher than it was on your original exam, we will replace your original score(s) with the improved one(s).

5) The square root of 16 is 4. Use differentials to estimate the square root of 15.5. (As a check, you may wish to compare your approximation to your calculator's decimal value for the square root of 15.5.)

(10 points)

