

# MATH 150 HW: CHAPTER 3

## SPRING 2008

**Write your name and class and clearly separate sections! See the syllabus.**

Show work where appropriate, and use “good form and procedure,” as in class!

This is due when you take the Quiz on Chapter 3.

Graded out of 15 points.

“\*” denotes “See Hint below.”

Read some of the Examples for additional assistance.

Web site: Do derivatives! (This is on my web site.)

<http://www.calc101.com/webMathematica/MSP/Calc101/WalkD>

3.1: 1-9 odd, 13, 15, 19

**Look at** 17, 21

3.2: 1-19 odd, 21, 22, 25, 27, 32, 41, 42, 44 (Answer:  $t = \pm 5$ ), 47, 49, 51a, 53

3.3: 1-9 odd, 15, 19, 23-33 odd, 37, 39, 41, 47, 53, 55a, 61, 65,  
73 (Read 71 first), 79

3.4: 1-13 odd, 19, 21, 25, 29, 31, 35, 41 (Hint: see 35), 45, 49, 50, 51

3.5: 11-17 odd

3.6: 1, 7, 9, 11, 17 (Don't simplify), 19, 21, 23, 27 (Don't simplify),  
29-41 odd, 45, 47, 49 (Don't simplify), 53, 59, 63, 67, 77, 79

**Look at** 87

3.7: 1, 5, 15, 25, 27, 40

3.8: 1-13 odd, 14 (Answer: about  $12.3 \frac{\text{ft.}}{\text{sec.}}$ ), 18 (Answer: about  $1885 \frac{\text{in.}^3}{\text{min.}}$ ),  
19, 21, 27, 29, 39