MATH 150 HW: CHAPTER 3
SPRING 2009

<u>Write your name and class and clearly separate sections! See the syllabus.</u>
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 book's Examples for additional assistance.

<u>Web site: Do derivatives! (This is on my web site.)</u>
    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