MATH 121: HOMEWORK #1
SECTIONS 2.1, 2.2, 2.3
FALL 2003

<u>**Write your name and clearly separate sections on your homework!**</u>
Show work where appropriate, and use "good form and procedure," as in class!
This is due when you take Quiz 1.
Graded out of 10 points.
"*" denotes "See Hint below."
Read some of the Examples in this chapter for additional assistance.

2.1:   1, 23, 25, 27, 33, 35, 45-59 odd, 65-70 all*, 13, 15, 78*, 81

    Answers: **66** (cont.), **68** (discont. at $x = -7$, $x = 2$),
                70 (discont. at $x = 0$, $x = 4$, $x = -1$), **78** (0)

2.2:   25, 29, 31, 33, 39*, 41, 45a, 1, 3, 7, 9, 17, 59

    Hint on 39: Read Ex. 2 on p.100

2.3:   1-39 odd, 43 (and then look at 45), 47, 49, 51

    Read Ex. 6 on p.104 in Section 2.2 to see why $D_x\left(x^3\right) = 3x^2$.
        Remember the Binomial Theorem?

    Look at (don't do): 55, 56