

# MATH 121: HOMEWORK #4

## SECTIONS (4.1), (4.2), 4.3, 4.4, 5.1, 5.2

FALL 2003

**Write your name and clearly separate sections on your homework!**

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

This is due when you take Quiz 4.

Graded out of 10 points.

“\*” denotes “See Hint below.”

Read some of the Examples in this chapter for additional assistance.

4.1: No homework. Skim the section, and review as necessary.  
**Look at** the applications on pp.269-270; Problems 24-29, 38-40, 43, 44.

4.2: No homework. Skim the section, and review as necessary.  
**Look at** the applications in Problems 34, 36, 38, 52.

4.3: 1-17 odd, 19\*, 21-27 odd, 31-39 odd, 43, 53, 55, 56\*, 57

**Hint on 19:** Look for a shortcut!

**Answer to 56:**

a) The value is decreasing by \$3500 per year.

b) The value is decreasing by about \$1738.05 per year.

**Look at** the applications in Problems 58, 62-66.

4.4: 7, 9, 11, 13a

**Note:** Business and econ majors should read the discussion on elasticity of demand that starts on p.325.

5.1: 1-27 odd, 31, 39, 41, 43, 47

**Look at** pp.341-342; Problems 35, 36.

5.2: 1-31 odd, 37, 39, 41