Practice Problems

These problems are not to be handed in, but try them first; also try the even problems if you need more practice.

- From §4-1 (pages 215&216): 17–27 odd, 35–39 odd;
- From §4-2 (pages 222&225): 51–57 odd;
- From §4-7 (pages 260–262): 35, 37, 65, 67.

The answers to these should be in the back of your textbook.

Due Problems

These problems are due November 15 Tuesday.

In each of the following problems, show at least what numerical calculation you make or what equation you solve, and be sure to include the correct units in your final answer.

1 If a piece of charcoal contains 30 % of its original amount of carbon-14, then how old is this piece of charcoal? (The half-life of carbon-14 is approximately 5730 years.)

2 Suppose that the demand for a product with price p is given by

$$D(p) = \frac{1000}{p^2}.$$

What is the elasticity of demand with respect to price?