Assignment 11

Problem 11.22

A manufacturer makes two types of radio clocks: small and large. The average cost per clock is the sum of the average daily cost of producing that type and the average cost of selling that type. The following information is given for the small clock:

- Average daily cost of producing 100 clocks: $10
- Average cost of selling 100 clocks: $2
- Average cost of producing 1000 clocks: $20
- Average cost of selling 1000 clocks: $5

Find the average cost per clock for producing 500 and 1000 clocks.

Problem 11.23

A manufacturer makes two types of radios: small and large. The average cost per radio is the sum of the average daily cost of producing that type and the average cost of selling that type. The following information is given for the small radio:

- Average daily cost of producing 100 radios: $15
- Average cost of selling 100 radios: $5
- Average cost of producing 1000 radios: $30
- Average cost of selling 1000 radios: $10

Find the average cost per radio for producing 500 and 1000 radios.