MA 160 Dr. Katiraie
Section 6.2

Applications in Economics

## 1. Consumer Surplus

The demand for a product, in dollars, is $p=1200-0.2 q-0.0001 q^{2}$
Find the consumer surplus when the sales level is 500 .

## 2. Producer Surplus

An electronic manufacturer estimates that the supply function for its digital clocks is $S(q)=5.4+0.001 q^{1.2}$ dolars.
Find the producer surplus when the number of clocks sold is 2000.

