

(1) [4] Determine the break-even point if $C = 10x + 600$ and $R = 30x$.

(2) [4] Solve the following system of equations or say that it is inconsistent:

$$\begin{aligned}2x + y &= 1 \\4x + 2y &= 3\end{aligned}$$

(3) [7] For a certain commodity the supply equation is

$$S = 2p + 5$$

At a price of \$1 there is a demand for 19 units of the commodity. Find the demand equation if the demand equation is linear and the market price is \$3 .