



1.) Find the break even point if  $R(x) = 12x$  and  $C(x) = 2000 + 3x$ .

2.) Find the break even point if  $R(x) = 35x$  and  $C(x) = 300 + 10x$ .

3.) Find the equilibrium point if supply is given by  $p = \frac{2}{3}q$  and demand is given by  $p = 5 - \frac{1}{2}q$ .

4.) Find the equilibrium point if supply is given by  $p = \frac{2}{5}q$  and demand is given by  $p = 4 - q$ .