Answer on Question #44219, Economics, Microeconomics

TC = FC + VC, TR = P*Q, TP = TR — TC, MC = ∆TC/∆Q.

Q	FC	VC	TC	TR	TP	MC	P = MR
0	100	0	100	0	-100	-	72
1	100	64	164	72	-92	64	72
2	100	84	184	144	-40	20	72
3	100	114	214	216	2	30	72
4	100	184	284	288	4	70	72
5	100	270	370	360	-10	86	72
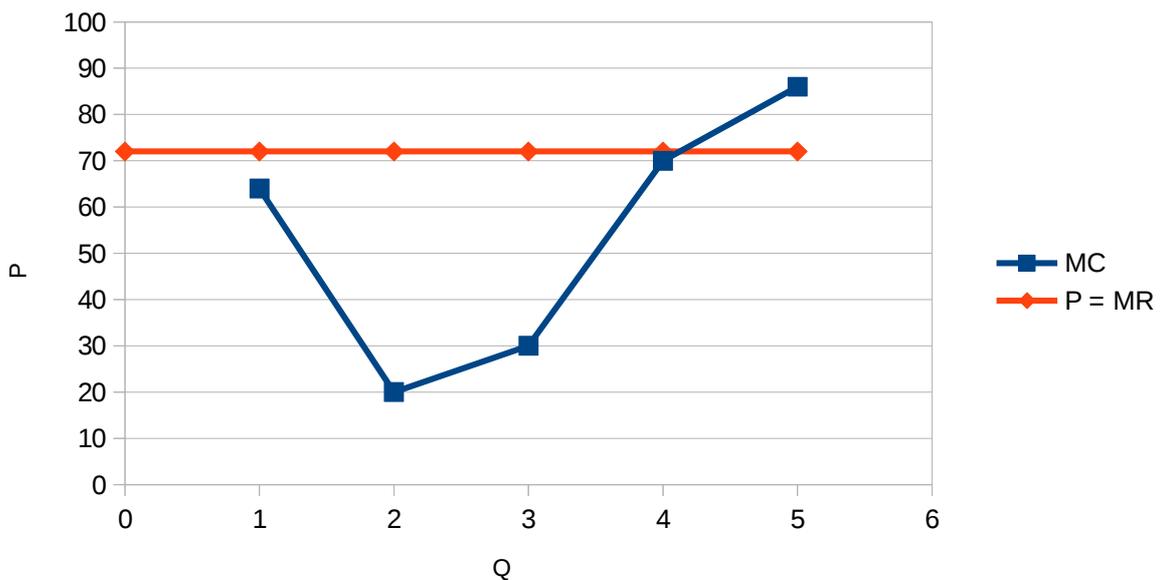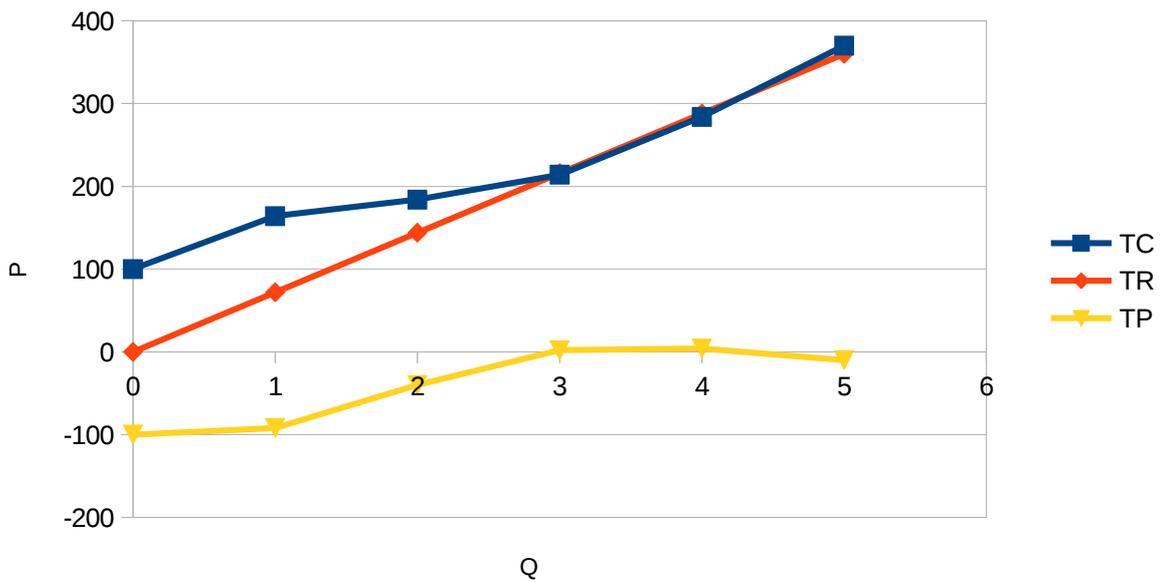
Profit is maximized in the point, where MR = MC = P.
As we can see from these to graphs, profit is maximized, when 4 units are produced and total profit
equals: TP = $4.