

Answer on Question #48537, Economics, Microeconomics

(a) $MP = (q_2 - q_1)/(L_2 - L_1)$

L	q	MP	FC	VC	TC
0	0	-	192	0	192
1	3	3	192	36	228
2	9	6	192	72	264
3	18	9	192	108	300
4	24	6	192	144	336
5	27	3	192	180	372
6	28	1	192	216	408

The firm experiences increasing marginal product for labour levels from 1 to 3 and decreasing marginal product for labour levels from 4 to 6.

(b) $VC = \$36 * L$, $TC = FC + VC$

