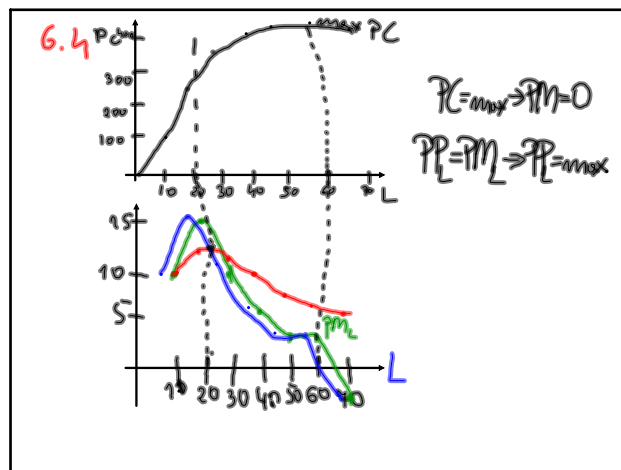


Zo.d. 6.4

$$PP_L = \frac{P_L}{L} = \frac{100-0}{10-0} = 10$$

Liczba pracowników	Liczba wytworzonego m ²	PP _L	PM _L
0	0		
10	100	10	10
20	250	12.5	15
30	350	11.6	10
40	400	10	5
50	420	8.4	2
60	440	7.3	2
70	420	6	2

gru 1-08:24



gru 1-08:42

6.11

Pr. przeciętny	Pr. marginalny
40	40
80	120
110	170
136	214
154	226
158	178
150	102
140	70
130	50
110	-70
95.5	-50
79	-102

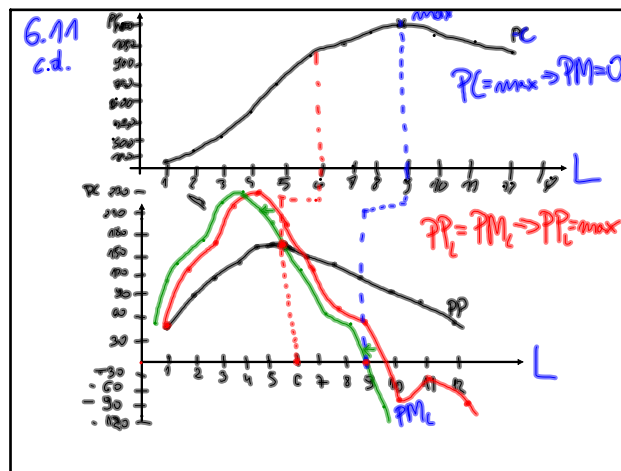
$$PM = \frac{\Delta PC}{\Delta L}$$

$$PM = \frac{PC_{n+1} - PC_n}{L_{n+1} - L_n}$$

$$PM = \frac{330 - 160}{3 - 2} = 170$$

$$PM = \frac{170}{1} = 170$$

gru 1-09:18



gru 1-08:44

6.7

a) $L = 200$
 $Q = 5000$
 $5000 = 10K + 1000$
 $10K = 4000 \div 10$
 $K = 400$

b) $10000 = 10 \cdot 400 + 5L$
 $6000 = 5L$
 $L = 1200$

$10000 = 4000 + 5L$
 $6000 = 5L$
 $L = 1200$

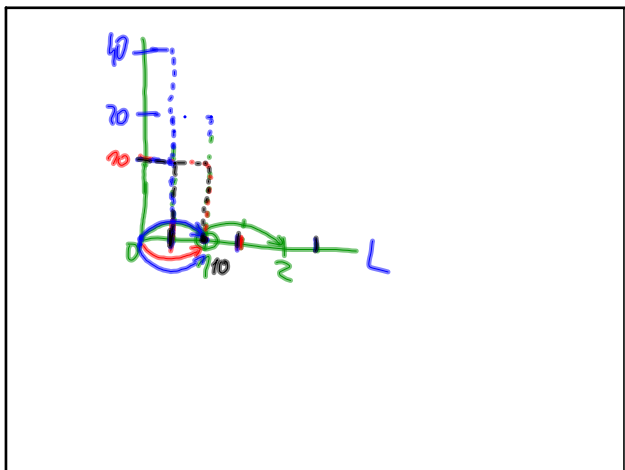
gru 1-11:09

6.7 c.d.

K	L
400	360
1200	1280

$$MPS = - \frac{\Delta K}{\Delta L} = - \frac{40}{80} = \frac{1}{2}$$

gru 1-11:22

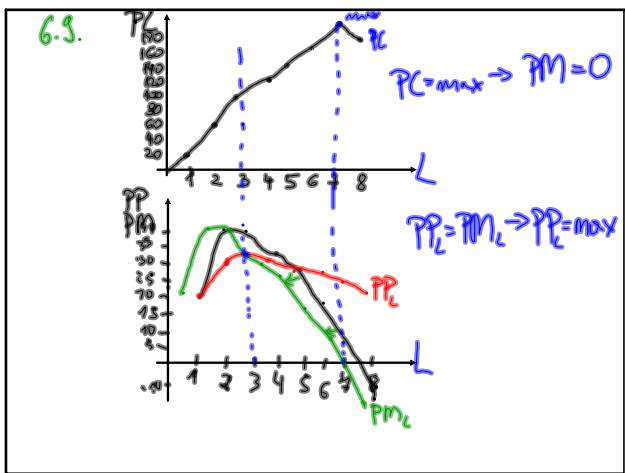


gru 1-11:00

Zad 6.9 $PM_L = \frac{60-20}{2-1} = \frac{40}{1} = 40$

Najmniejszy poziom produkcji	Największy poziom produkcji	Przebieg produkcji
0	0	—
1	20	20
2	60	40
3	100	40
4	130	30
5	155	25
6	170	15
7	180	10
8	170	-10

gru 1-12:39



gru 1-10:45

6.2

A) $Q = 1000$
 $k = 10$
 $L = ?$

$Q = 5k + 2L$
 $1000 = 5 \cdot 10 + 2L$
 $950 = 2L : 2$
 $L = 475$

3) $5000 = 5k + 950$
 $-5k = -4050 : (-5)$
 $k = 810$

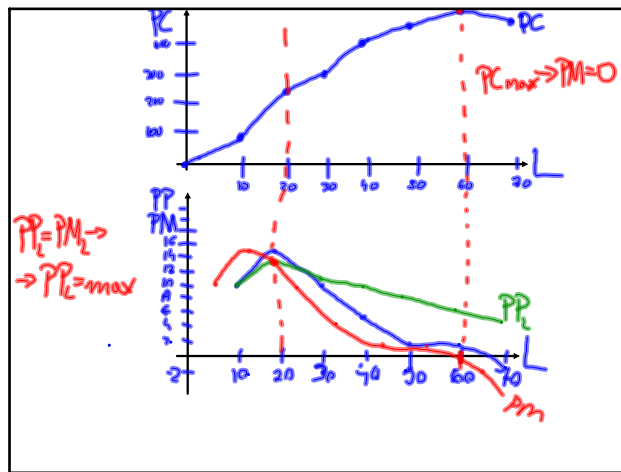
e) $5000 = 5k + 2 \cdot 475$
 $5000 - 850 = 5k$
 $4150 = 5k$
 $k = 830$

gru 1-12:04

$PP_L = \frac{100}{10} = 10$
 $PP_L = \frac{250}{20} = \frac{25}{2}$

$PM = \frac{\Delta PC}{\Delta L} = \frac{250-100}{20-10} = \frac{150}{10} = 15$

gru 1-14:03



gru 1-14:39

6.8

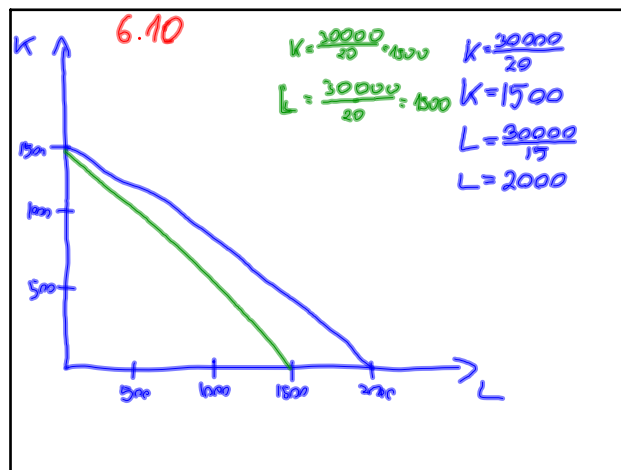
a) $1000:20=50$
 $1000:30=33,3$

c) $1000 - \frac{2 \cdot 30}{3} = 940$
 $940:20=47$

d) $47 \cdot 30 = 1410$
 $10 \cdot 20 \text{ st} = 200 \text{ st}$

e) $200:30 = 6,67 \text{ st}$

gru 1-15:00



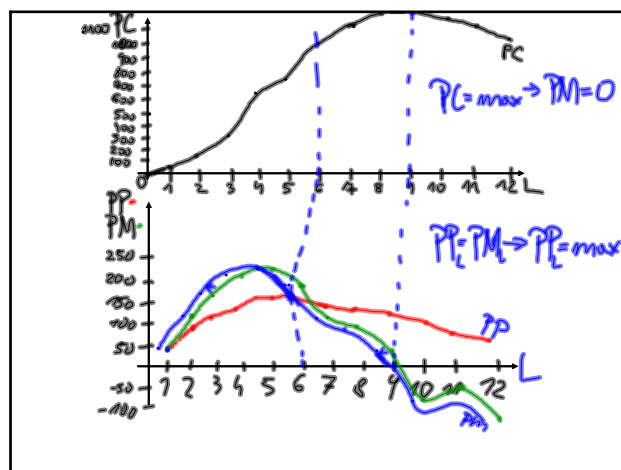
gru 1-15:16

6.11

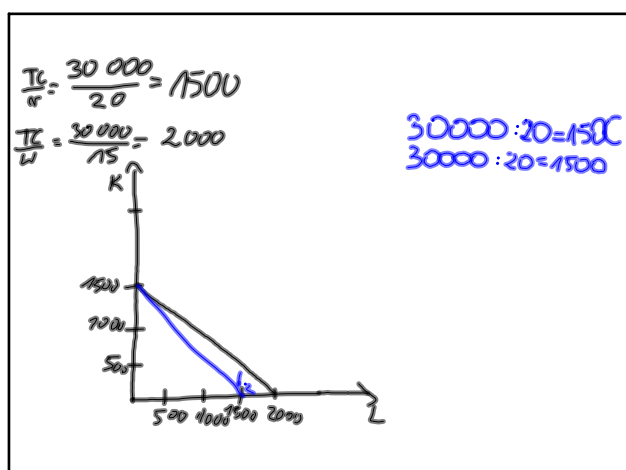
1)	—	—
2)	40	70
3)	80	120
4)	110	140
5)	136	214
6)	154	226
7)	156	178
8)	150	102
9)	140	70
10)	130	50
11)	110	-70
12)	95,45	-50
13)	79	-102

$PM_L = \frac{\Delta PC}{\Delta L} = \frac{160-70}{2-1} = 120$

gru 1-16:04



gru 1-16:46



gru 1-17:15

6.1.

$500:30 = 16\frac{2}{3} \text{ h}$
 $16\frac{2}{3} \cdot 50 = 833,3 \text{ manymarzy}$
 $500:100 = 5$
 $5 \cdot 100 = 500 \text{ L}$

gru 2-11:03

6.1

$$b) \frac{500}{10} = 50h$$

$$50 \cdot 10 = 500$$

$$5 \cdot 50 = 250$$

gru 2-11:18