





Шифр

Всего 80 баллов

### Задача 1

20 баллов

Задача 2

1

### Задача 3

卷之三

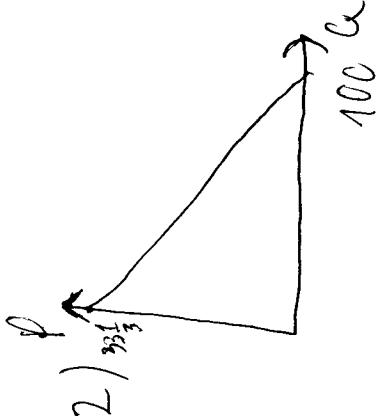
Задача 4

卷之三

### Задача 5

25 баллов

# H M C T O B M K



$$Q = 100 - 3P$$

$$TR \rightarrow \max: TR'_{(P)} = 0$$

$$100 - 6P = 0$$

$$P = 16 \frac{2}{3}, \quad Q = 50$$

$$TR_{\max} = 833 \frac{1}{3}$$

$$3) Q_s = a + bP$$

$$\begin{cases} Q_{12} = a + bP_x \\ Q_{102} = a + bP_x \\ Q_{108} = a + bP_x \end{cases}$$

$$Q_{12} - 0,98Q_{10} = a + bP_{12} - a - 0,98bP_{10}$$

$$Q_{102} - 0,01Q_{12} = 0,01P_{12} - b, \quad P_{12} = 22 \frac{2}{3}; \quad Q_{12} = 33 \frac{1}{3}$$

$$66 \frac{2}{3} = 22 \frac{2}{3} \cdot b$$

$$b = 3 \quad a + 3 \cdot 22 \frac{2}{3}$$

$$33 \frac{1}{3} = a + 33 \frac{1}{3} + 3P$$

$$a = -33 \frac{1}{3}, \quad a = -33 \frac{1}{3} + 3P$$

$$S_b = 11 \frac{1}{9}$$

$S_b$  - geringe Nachfrage

$Q_s = -33 \frac{1}{3} + 3P$  Formel der gesuchten und zuvor verdeckten Nachfragekurve  $\Rightarrow$  marktcontingenten Angebotskurve  $\Rightarrow$   $P = MC$ , Produktionskosten je Einheit  
 $P_s = \frac{1}{3}Q + 11 \frac{1}{9} = MC$  - kostenoptimale Preisgestaltung und wettbewerbsorientiertes Preisbild

$$MC = MR \Rightarrow TR'_s = (33 \frac{1}{3}Q - \frac{1}{3}Q^2)' = 33 \frac{1}{3} - \frac{2}{3}Q$$

$$P \rightarrow \max: MR = TR'_s, \quad (P = 33 \frac{1}{3} - \frac{1}{3}Q)$$

$33 \frac{1}{3} - \frac{2}{3}Q = 11 \frac{1}{9} + \frac{1}{3}Q$	$25 \frac{25}{24} = 25,04$
$Q = 22 \frac{2}{3}$	$P = 33 \frac{1}{3} - \frac{1}{3} \cdot 22 \frac{2}{3} = \frac{400}{24} = 16 \frac{25}{24} = 16,04$