

_____ **1.** 10 « / ».

’ , ’ - **1** . **1 - 10** .

_____ **2.** 20 «5:1».

2 - **40** . - **2** .

_____ **3.** 10 «5:N».

3 . **3 - 30**

•

80 - **60** .

5 , **100**

• - **160.**

- **240** .

=====

===== 1. =====

1. .
1. 2.
- 2.
1. 2.
3. .
1. 2.
4. ,
-
1. 2.

5.

- 1.
- 2.

6.

- 1.
- 2.

7.

- 1.
- 2.

8.

- 1.
- 2.

9.

- 1.
- 2.

10.

- 1.
- 2.

=====

2.=====

1.

:

1.

;

2.

;

3.

;

4.

;

5.

.

2.

,

300,

:

= 50 + 4Q,

,

:

1. = $300 + 50 + 4Q^2$

2. = $50Q + 4Q^2$

3. = $300 + 50Q + 2Q^2$

4. = $300Q + 50 + 4Q^2$

5. $= 300 + 50Q + 4Q^2$

3. ;

1. ;

2. ;

3. ;

4. ;

5. .

4. ;

1. ;

2. ;

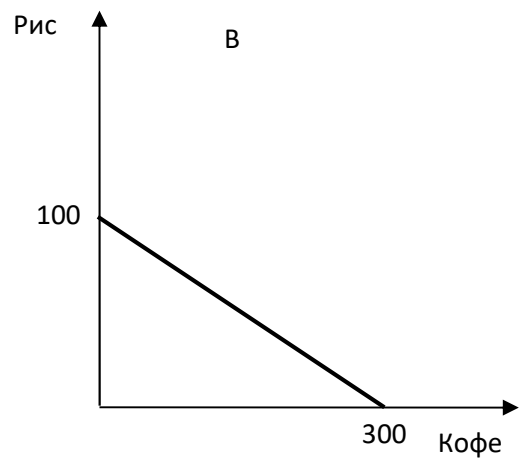
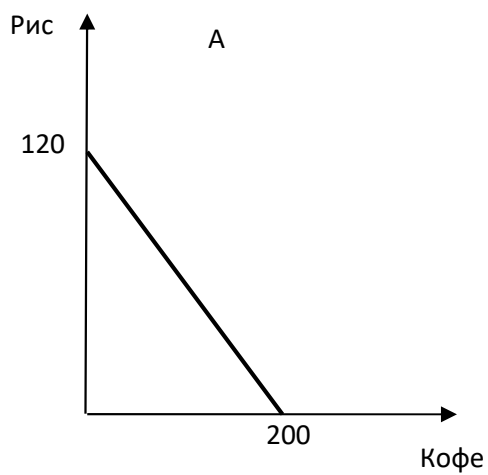
3. ;

4. 1. 3.

5. .

5. - - .

, ,
:



1. 200

20 ;

2. ;

3. , ;
 4. , ;
 5. 300 50 .

6. $Q_s=5P$ $Q_d=180-P$,
 15 . ?

1. 150 .
 2. 60 .
 3. 90 .
 4. 20 .
 5. .

7. - ,
 :

1. - ;
 2. ;
 3. ;
 4. - ;
 5. - .

8. : -100 . . ;
 -70 . . ; -10 . . ; -10 . . ; -15 . .
 . - . .

1. 30
 2. 65
 3. 15
 4. 10
 5.

9. $Q_s=2+3P$, $Q_d=18-P$,
 3 ,
 :

1. 1.

2. 2.

3. 3.

4. 4

5.

10.

1.

2.

3.

4.

5.

11.

1.

2.

3.

4.

5.

12.

10%.

4000

1. 40000 ;

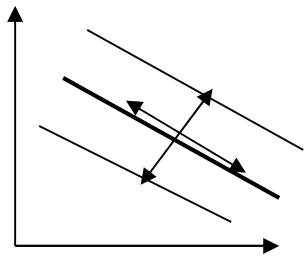
2. **36000** ;

3. 4400 ;

4. 3600 ;

5. 400 .

13.

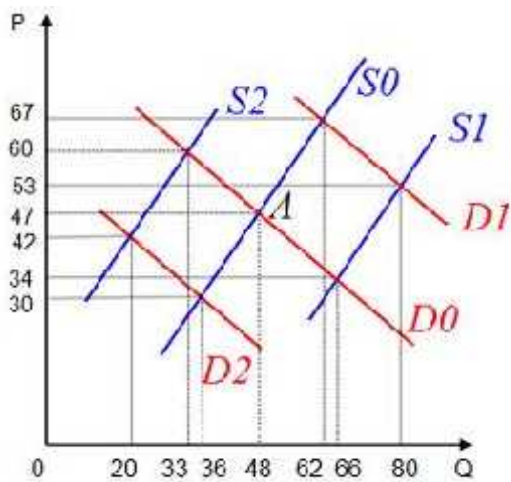


1. ;
2. ;
3. ;
- 4.
5. .

14. : $Q_d = 120 - 4Q$,

1. $120 - 4Q^2$
2. $120 - 4Q^2$
3. $30Q - 0,25Q^2$
4. $120Q - 4Q^2$
5. 2. 3.

15. . ,
 . ,
 ...



1. 48
2. 80

3. 62

4. 67

5. 33

16.

:

1. 0

2. 1%

3. ,

4. ,

5.

17.

$$:Q_d = 50 - 2 .$$

:

1. 10

2. 15

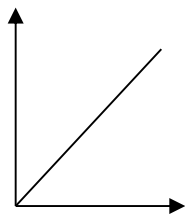
3. 20

4. 25

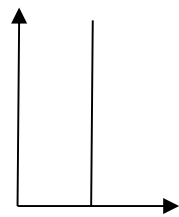
5.

18.

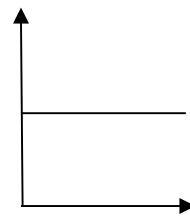
:



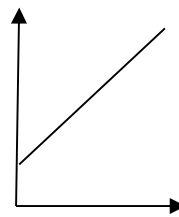
1.



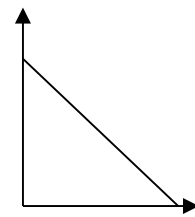
2.



3.



4.



5.

19.

10%,

20%,

:

1. 12,5%;

2. 30%;

3. 10%;

4. 32%;

5. 30 %.

20.

- 1. , ;
- 2. , ;
- 3. - ;
- 4. ;
- 5. .

===== 3.=====

- 1. :
- 1. , ;
- 2. , ;
- 3. , ;
- 4. , ;
- 5. , .
- 2. , , :
- 1. ;
- 2. ;
- 3. ;
- 4. ;
- 5. .
- 3. , , :
"-3". , :
- 1. ;
- 2. ;
- 3. ;
- 4. ;
- 5. .

4. 10
 , :

1. 10

;

2. Q $10Q$;

3. ;

4.

10 ;

5.

10 .

5. :

1. , ;

2. , ;

3. , ;

4. ;

5. .

6. :

1. $(TC - FC) : Q$

2. $TC : Q$

3. $(AFC + ATC) : Q$

4. $AFC + AVC$

5. $(FC + VC) : Q$

7.

:

1. ,

2. ;

3. ;

4. ;

5.

8. , Y X
-2,
+0,5, Y "-5"
"-1,1". , :

1. Y ;

2. Y ;

3. " " ;

4. ;

5. Y

9. ,

:

1. , ;

2. ;

3. ;

4. ;

5. .

10. , :

1. , , ;

2. , , ;

3. , , ;

4.

;

5. , .

_____:

1.

$$=7,$$

$$6,$$

$$=2$$

$$9.$$

.(30 .)

:

$$Q_d = a - bP, \quad Q_s = c + dP.$$

$$: Q_s(7) - Q_d(7) = c - a + (b + d) \cdot 7 = 6,$$

$$Q_d(2) - Q_s(2) = a - c - (b + d) \cdot 2 = 9.$$

$$, \quad 5(b + d) = 15,$$

$$(b + d) = 3,$$

$$(a - c) = 15.$$

:

$$Q_d(P^*) - Q_s(P^*) = a - c - (d + b) \cdot P^* = 0$$

$$, \quad 15 - 3 \cdot P^* = 0 \Rightarrow P^* = 5.$$

: 5

2.

:

$$Q_{s1} = 2P;$$

$$Q_{s2} = -4 + 0,5P;$$

$$Q_{s3} = -4 + P$$

11 .

,

.(30 .)

:

,

$$Q_s = 0, \quad , \quad 1 = 0, \quad 2 = 8 \quad 3 = 4.$$

$$, \quad 0 < P \leq 4$$

$$I; \quad 4 < P \leq 8$$

I

III

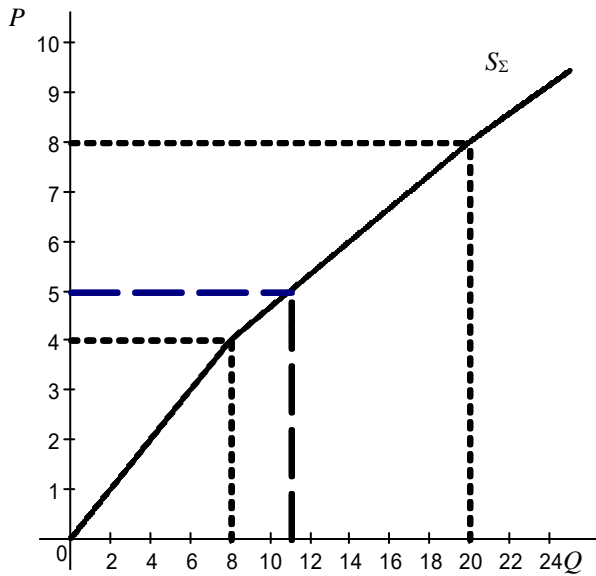
$$P > 8$$

:

$$Q_{\Sigma}^S = \begin{cases} 2P; & 0 < P \leq 4 \\ -4 + 3P; & 4 < P \leq 8 \\ -8 + 3,5P; & P > 8 \end{cases}$$

, 11 . = 5;

$$s/p = 3 \cdot 5 / 11 = 15 / 11 = 1,36.$$



: $s/p = 1,36$.

3.

$$TC = 8 + 8Q + 2Q^2$$

$$= 20.$$

1. ,) ;)

2. :) ;

)

3.

. (40 .)

$$1 . AC = 8/Q + 8 + 2Q; AC' = -8/Q^2 + 2 = 0 \Rightarrow Q = 2.$$

$$1 . MC = P; 8 + 4Q = 20 \Rightarrow Q = 3.$$

2. $\pi = 20 \cdot 3 - 8 - 8 \cdot 3 - 2 \cdot 9 = 10.$

2. $= 8 + 4Q,$ $Q_s = - 2 + 0,25P,$ $P_{\min} = 8,$ $=$
 $20 \cdot 3 - 8 \cdot 3 - 2 \cdot 9 = 18.$

3. $Q_s = - 2 + 0,25P, dQ/dP = 0,25, E_{s/p} = 0,25 \cdot 20/3 = 5/3.$

: 1. $Q = 2;$ 1. $Q = 3;$ 2. $f = 10;$ 2. $. = 18;$

3. $E_{s/p} = 5/3.$

4. 10 10 B.
X:

| | | |
|----------|----------|-----------|
| | | |
| | | B |
| 1 | 7 | 11 |
| 2 | 5 | 9 |
| 3 | 2 | 4 |
| 4 | 0 | 1 |

7
 B
 5
)
)
 ()
 .(40 .)

:

) , :

| | | | | <i>TR</i> | <i>MR</i> | <i>TC</i> | <i>MC</i> | |
|----|---|----------|----|-----------|-----------|-----------|-----------|----------------|
| | | <i>B</i> | | | | | | <i>TR - TC</i> |
| 11 | 0 | 1 | 10 | 110 | | 50 | | 60 |
| 9 | 0 | 2 | 20 | 180 | 70 | 100 | 50 | 80 |
| 7 | 1 | 2 | 30 | 210 | 30 | 150 | 50 | 60 |
| 5 | 2 | 2 | 40 | 200 | -10 | 200 | 50 | 0 |
| 4 | 2 | 3 | 50 | 200 | 0 | 250 | 50 | -50 |
| 2 | 3 | 3 | 60 | 120 | -80 | 300 | 50 | -180 |
| 1 | 3 | 4 | 70 | 70 | -50 | 350 | 50 | -280 |

$MR=MC, MC = 5$,

$= 50.$

$= 20,$

$= 9: = TR - TC = 180-100 = 80.$

) $= (11+9+7+5)*10 - 5*4*10 = 120$.

: () **80.** () **120** .

5.

- **10.** . (20

.)

$U = 1/20$,

$NL = 1/10$,

$L = P - NL = - 1/10 = 9/10$.

$u = U : L \quad 100\% = 1/20 : 9/10 \quad 100\% = 5,(5)\%$.

: **u = 5,(5)%.**

