

, 2015

9, 11

4 - 70

1 (20 )

; \$100 ;  
 1 ; \$80 ; 2, ;  
 : ; \$20 ;  
 ; ) , (\$100 .),  
 (\$60 .), ; \$220 . (\$60 .).  
 : ( ) , ( ) . ( )

1	
/	(\$ .)
1	100
2	80
2.1	80
3	20

2	
/	(\$ .)
1	220
2	160
2.1	60
2.2	100
3	60

( )

=

.. (0), ( / )

) (0),

, : = \$220 .

( )

=

= -

.. 1 - ,

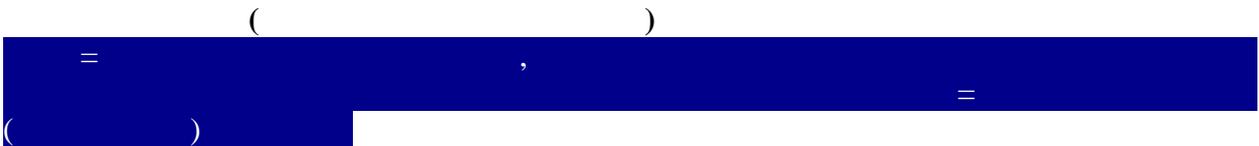
(\$100 .). ( )

) . ( )

: 220 - 100 = \$120 .

(2-

)  
= 100 + 120 = \$220 .



1 (\$20 .).  
\$100 .

(\$120 .),

(\$60 .) (\$60 .).

= + = (80 + 60) + (20 + 60) = 140 + 80 = \$220 .

2 (15 )

( :  $Q_1 = 120 - P_1$ . ,  $P$  ) :  $Q_2 = 60 - P_2$ . (  $P_1$ .

$P_2$ ,

100

?

$x -$   
 $P_1 = 120 - Q_1 = 120 - x$ .  $P_2 = 60 - Q_2 = 60 - (100 - x) = x - 40$ .  
:  $TR = P_1Q_1 + P_2Q_2 = (120 - x)x + (x - 40)(100 - x) = -2x^2 + 260x - 4000$ . :  $x =$   
 $\frac{-260}{-2 \times 2} = 65$ . ,  $Q_1 = 65$ ;  $Q_2 = 35$ ;  $P_1 = 55$ ;  $P_2 = 25$ .  $TR = 55 \times 65 + 25$   
 $\times 35 = 4450$ .  
: 4450.

3 (15 )

$x^2 - 10P$  (  $x -$  , :  $Q_d =$  ).

$\sqrt{y}$

5

$$Q_s = \sqrt{y} \times x = 5x. \quad Q_d = Q_s \Rightarrow x^2 - 10 \times 5 = 5x \Rightarrow x^2 - 5x - 50 = 0.$$

$$: TR = xy = xP\sqrt{y} \Rightarrow \sqrt{y} = P = 5.$$

$$: x = 10. \quad Q_d = Q_s = Q^* = 5 \times 10 = 50.$$

4 (20 )

100

399

?

$$- 1) \quad 399 - (L - 1) = 400 - L.$$

$$L^2 + 400L \times 1 = -L^2 + 400L.$$

$$100L = -L^2 + 300L.$$

$$: L(400 - L) = -L^2 + 400L. \quad TR = (-$$

$$: f = TR - TC = -L^2 + 400L -$$

$$L = \frac{-300}{-2}$$

= 150.

: 150.