

2014 / 2015

7-8

II

: 190

1.

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5
3 . . . , 100 . . .

150 . . .

-

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1.) (,)

2.) 2 ; . . .

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- , (,)

:

/ (-

, , : 3 . / (150 . - 100 .) = 60

!

(15 .) .

-

2 . . .

:(+) / (

-

).

, , : (3 . + 2 .) / (150 . - 100 .) = 100

(15 .) .

2.

4 1 ./ 6 2 ./ ,

1.) (10 40-
2. 1 .

1. 10 40-
 $\frac{400}{1200 (6/2*400)}$ / $(10*40)$. 1600 (4*400)
 (15) .
2. 1 $\frac{3}{4}$
 (1200/1600=0,75 $\frac{3}{4}$).
 (15) .

30

3.

$X^2 + Y^2 = 180$,
 $X -$, $Y -$.

$X = 2Y$,
 (5) .
 $X^2 + Y^2 = 180$, $2Y^2 + Y^2 = 180$.
 $Y - 6$, $X - 12$.
 (15) .

20

4.

- : $Q = 400 - P + 4P$, $P -$; $P -$.
1. , $P = 10$.
 2. $P = 10$.
 3. -
 $P = 20$.
 4. $P = 10$.

1. $Q = 400 - P + 4*10 = 440 - P$
 (5) .
 2. $Q = 440 - 10 = 430$.
 (5) .
 3. $Q = 400 - P + 4*20 = 480 - P$

(5
4. $Q = 480 - 10 = 470$.
(5

20

5.

$$Q_d = 8 - P$$

$$Q_s = -7 + 2P.$$

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1.
 $8 - P = -7 + 2P,$

(5

2. : $15 = 3P, P=5.$

(10

3. :

$P=5$ $8 - P = -7 + 2P,$ $Q=3.$

(10

25

6.

20 .,

0,5.

200 . .,

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$Q_c - , P_c - , Q_m - 0,5*(Q_c - Q_m)*(P_m - P_c), , P_m -$

(10

, : $0,5*200 . . *20=2000 . .$

(25

35

7.

$$(S=500+5P)$$

$$(D=4000-10P)$$

100 .

?

:

100 $\therefore (4000-10P) - (500+5P).$

$$(5 \quad \quad \quad).$$
$$(4000-10*100) - (500+5*100) = 2000 \quad .$$
$$(25 \quad \quad \quad).$$

30

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$$(2 \quad \quad) - 120 \quad .$$