

1. a)

0-1; 1-2; И-3; М-4; П-5; И-3; А-6; Д-7; А-6.

a)

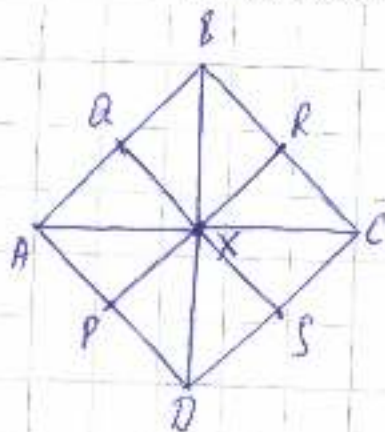
1	2	3	4	5	3	6	7	6	9	9	9
9	9	9									
2	3	5	5								
1	9	9	8								
3	5	7	3								
2	9	9	7								
5	7	6	6								
4	9	9	5								
7	7	1	7								
6	9	9	3								
7	2	4	6								
6	9	9	3								
2	5	3	0								
1	9	9	8								
7	5	3	2								

d)

1	2	3	4	5	3	6	7	6	1	0	0	1
1	0	0	1									
2	3	3	5									
2	0	0	2									
3	3	3	3									
3	0	0	3									
3	3	0	6									
3	0	0	3									
3	0	3	7									

$$\begin{array}{r} 3003 \\ - 3460 \\ \hline 3003 \\ - 457 \\ \hline \end{array}$$

2.



Берілген: ABCD ромб.

$$AB = BC = CD = DA$$

$$XP = XR = 5, XQ = 1$$

Табу керек:

a) $XS = ?$

b) $AB < 8 - ?$

Шешуі:

a) $XP = XR = 5$

$$XQ = XS$$

$$XQ = 1 \text{ болғандықтан,}$$

$$XS = 1.$$

b) $AQXP$ - ромбпен қарастырылса

$$XQ = 1$$

$$AQ = QX = XP = PA = 1$$

$$AQ = QB = 2$$

$$AB = AQ + QB = 1 + 1 = 2$$

сондықтан $AB = 2.$

$2 < 8$ болғандықтан

$$AB < 8.$$

Найында:

a) $XS = 1;$

b) $AB < 8;$

1234536761959
 958
 2355
 859
 1956
 955
 9513
 959
 2524
 959
 1575
 959
 5766

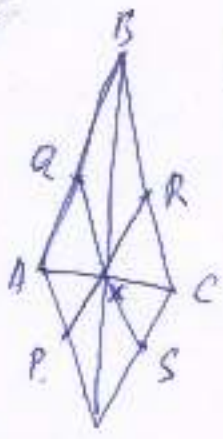
1010110
 2530
 1398
 592

1234536761959
 959
 2855
 1958
 2675
 2937
 5766
 4359
 9948
 6553
 7146
 6539
 243

339
 559
 72897
 5896
 559
 4388
 959
 9894
 559
 6995

6993
 1234536761959
 1001
 12577
 2335
 2002
 1938
 3003
 3986
 3003
 3037
 1007
 316

9570
 4004
 5660
 5005
 6550
 6005
 5450
 5005
 455



5.
 $XP = XR = 5$
 $XQ = 1$
 a) $XS = ?$
 d) $AB < 2$?

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 a) $XP = XR = 5$
 $XQ = XS$
 $XQ = 1$ *congruence* $XS = 1$.
 d) $XQ = 1$.
 $AQXP$ - *parallelogram*
 $AQ = QX = XP = PA = 1$
 $AQ = QB = 1$
 $AQ + QB = 1 + 1 = 2$ *congruence*
 $AB = 2$
 $2 < 8$
 $AB < 2$

24:
 a) $XS = 1$.



$\frac{2+8}{\sqrt{2}} = \frac{10}{\sqrt{2}}$