

:

9.1. 20 .

$$25 + 35 = 60$$

140

15

$$25 - 15 = 10$$

6

35

20

20

9.2. $a = b = c = 1$.

$$a(a-1)^2 + b(b-1)^2 + c(c-1)^2 = 0.$$

$a, b, c -$

$$a = b = c = 1.$$

9.3.

$$x^2 + 3x + 2.$$

$a \quad b -$

$$a + b = -p, \quad a + b + p + q = q = 2.$$

$$ab = q,$$

$$abpq = p^2 = 12, \quad p = 3.$$

$$x^2 + 3x + 2$$

-1 -2.

9.4.

$\frac{BD}{CD} = \frac{BC}{BC}$

$ABCD$
 $L \quad M$

$K.$

AK

$$AK^2 = KL \cdot KM.$$

$$AK^2 = KL \cdot KM$$

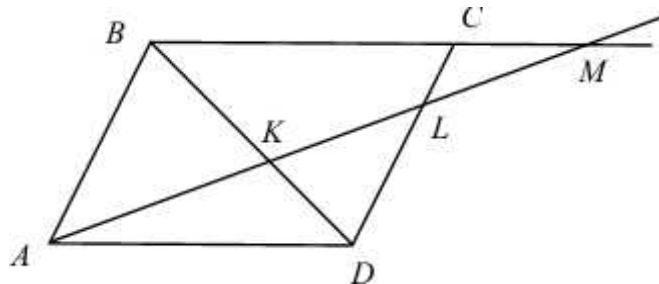
$$\frac{AK}{KL} = \frac{KM}{AK}.$$

$ABK \quad LDK$

$$\frac{AK}{KL} = \frac{BK}{KD}.$$

$BMK \quad DAK$

$$\frac{BK}{KD} = \frac{KM}{AK}.$$



9.5. 5

10

	1	2
1	1-10	11-20
2	1-5, 11-15	6-10, 16-20
3	1-3, 6-7, 11-13, 16-17	4-5, 8-10, 14-15, 18-20
4	1-2, 4, 6, 8, 11-12, 14, 16, 18	3, 5, 7, 9-10, 13, 15, 17, 19-20
5	2, 4, 6, 8, 10, 12, 14, 16, 18, 20	1, 3, 5, 7, 9, 11, 13, 15, 17, 19,