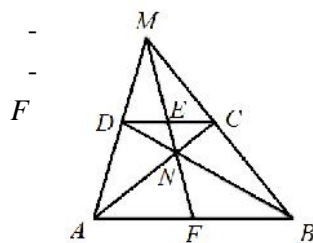
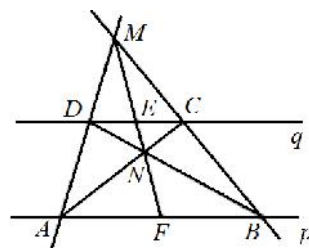


1 ( ).  $ABCD$   
 $M$   $AC$   $BD$ ,  
 $N$   $AD$   $BC$   
 $E$   $AB$   $CD$   
 [3].



1.  $p$   $q$   $A, B \in P$ .  
 $AB$ .

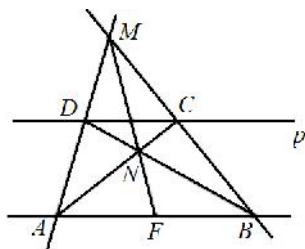
$M$   
 $p$   $q$ ,  
 $p$   $q$  ( $MA$   $MB$ ),  
 $Q$   
 $D$   $C$ .  $ABCD$   
 $N$   
 $MN$



$\overline{AF} = \overline{FB}$ , ...  $F$

2.  $AB$   $F$ .  $D$   
 $AB$ .

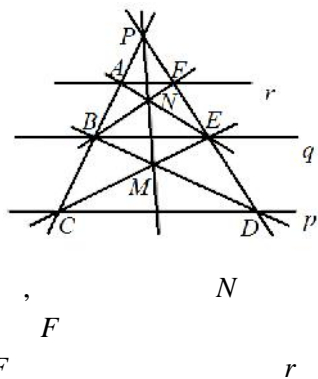
$M$   
 $AD$ ,  $D$   $A$   $M$   
 ( $\quad$ ).  
 $BD$   $MF$   $N = BD \cap MF$ .  
 $C = AN \cap BM$ .  
 $p$



3.  $p$   $q$ ,  $A$   
 $p$   $q$ .  $A$

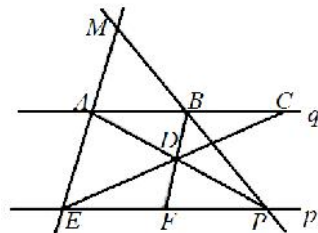
$p$   $q$ .  
 $p$   
 (1).  $A$   
 $p$  (2).

$A$   
 $p$   $q$   
 $C$   $B$ ,  
 $P$   
 $BA$ ,  $A$   $B$   $P$ ,  
 $p$   $q$   
 $D$   $E$ ,  
 $M$   
 $CE$   $BD$ .  
 $PM$   $AE$ .  
 $DP$   $BN$ .  
 $r \parallel p \parallel q$ ,

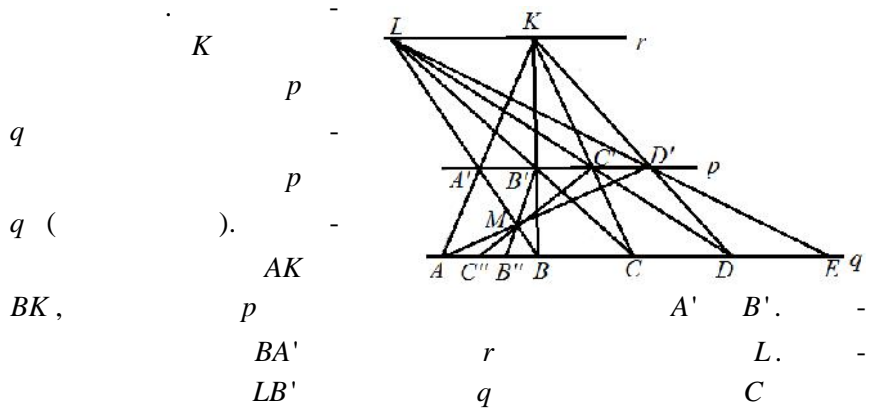


4.  $p$   $q$   $AB$   $q$ .  
 $q$   $C$   
 $\overline{AC} = 2\overline{AB}$ .

$M$   
 $p$   $q$ ,  
 $q$   $M$   
 $p$ .  
 $MA$   $MB$   $p$



$EP$  (1).  $E$   $P$   $D$   $F$  -  
 $BF$   $ED$   $q$   $AP$   $C$  .  
 $\triangle DEF \sim \triangle DCB$   $\triangle DFP \sim \triangle DBA$ ,  $\frac{DF}{BD} = \frac{EF}{BC}$   
 $\frac{DF}{BD} = \frac{FP}{AB}$ ,  $\frac{EF}{BC} = \frac{FP}{AB}$ ,  $\frac{AB}{BC} = \frac{FP}{EF} = 1$ . -  
 $AB = BC$ ,  $AC = 2AB$ .



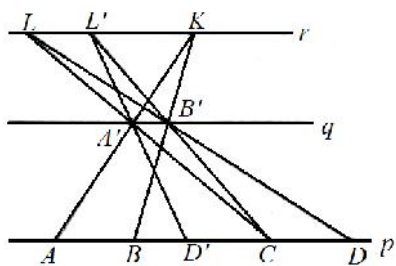
$AB$   $n$  .  
 $KC$   $p$  .  
 $LC'$   $q$  ,  $AD = 3AB$  .  
 $D'$   $KD$   $p$  .  
 $E$   $LD'$   $q$  ,  
 $\overline{AE} = 4\overline{AB}$  .  
 $n$  .

5.  $p$   $q$   $AB$   $q$  .  
 $AB$   $n$

$\overline{AX}_n = (n+1)\overline{AB}$ .  $AX_{n+1}$   
 $Y_1, Y_2, \dots, Y_{n-1}$   $A'Y_n$   $M$   
 $X_1, \dots, X_2, X_{n-1}$   $BA' \quad AY_n$   $AB \quad n$   
 $MY_{n-1}, \dots, MY_2, MY_1$   
 $AB$ .  
 $Y_1 = B', Y_2 = C', Y_3 = D' \quad X_1 = C'', X_2 = B''$ .

6.  $p \quad q$   $p$   $AB$

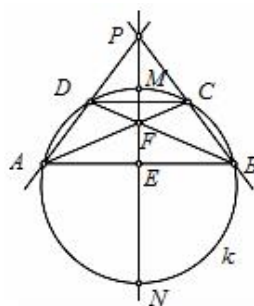
$C$ .  $p$   
 $CD$   $AB$   
 $K$   $q$   
 $K$   $p$   
 $K$   $p$   
 $r$   $p$   
 $q$ .  $KA \quad KB$   
 $q$   
 $A' \quad B'$ .  $CA'$   $r$   
 $L$   $LB'$   
 $p$   $D$ .  $\overline{CD} = \overline{AB}$ .  
 $CB'$   $CB'$   $r$   
 $L'$   $L'A'$   
 $p$   $D'$ .  $\overline{CD'} = \overline{AB}$ .



7.  $k$   $AB \quad CD$ ,

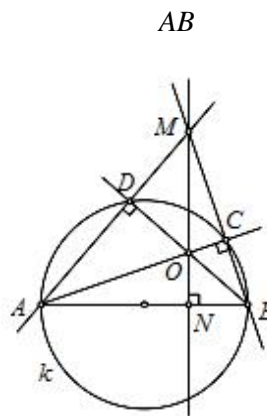
$\overline{AB} > \overline{CD}$ ,  $k$   
 $\overline{AB} > \overline{CD}$   $AB \parallel CD$   
 $ABCD$

$P$   $AD \ BC,$   
 $F$   $AC \ BD$   
 $ABCD$  ( ).  
 $AB, \dots E$   
 $\triangle ABP$  ,  
 $\dots PE \perp AB.$   
 $M \ N$   
 $MN \perp AB$   $PF$   $k,$   
 $E$   $AB,$   $MN$  -  
 $k$   $AB \ CD.$

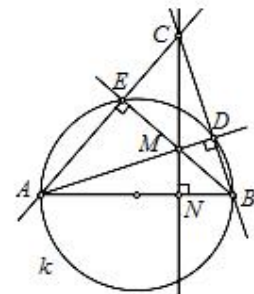


8.  $k$   $AB \ M$   
 $k$   $AB.$

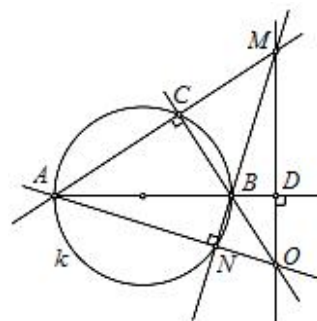
$\triangle ABM,$   
 $M$   $\triangle ABM$  -  
 $AM \ BM$  -  
 $k$   $D \ C,$  -  
 $AC$  -  
 $BD$   $\triangle ABM,$  -  
 $O$   $\triangle ABM.$  -  
 $MO$  -  
 $M$   $\triangle ABM$  -  
 $BM$  -  
 $($   $).$  -  
 $M$  -



$k.$   $AM \ BM$  -  
 $k$   $D$  -  
 $E.$   $AE \ BD$  -  
 $C.$  -  
 $\angle AEB = \angle ADB = 90^\circ,$  -  
 $AD \ BE$   $\triangle ABC,$  -  
 $M$  -

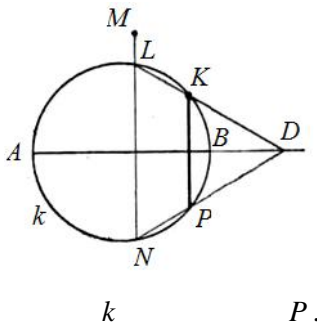


$\triangle ABC$ . ,  $CM$   
 $M \in AB$ .  
 $k$   $\triangle ABM$  ,  
 $\angle ABM > 90^\circ$ .  $C$  -  
 $AM$   $k, N$   
 $BM$  -  
 $k$ .  
 $BC \perp AN$ . -  
 $BC \perp AN$   
 $\triangle ABM$  ,  
 $O$   $\triangle ABM$  . ,  $MO$  -  
 $M \in AB$ .



9.  $k$ ,  $AB \perp k$ ,  $K \in k$   
 $K \notin \{A, B\}$ .  $K$

$AB$ .  
 $M$   
 $k$  ( )  
 $AB$  ( 8).  $L \in N$  -  
 $k$ .  $KL$  -  
 $AB$   
 $D$ . ,  
 $DN$   $KP$   $P$ .  
 $K$   
 $AB$ .  $K$



1. Stošić, V.: Geometrijske konstrukcije jednobridnim ravnalom, Matka, Zagreb
2. , ∴ ,
3. , ∴ , ,
4. , ∴ , , , ,  
 , 1964