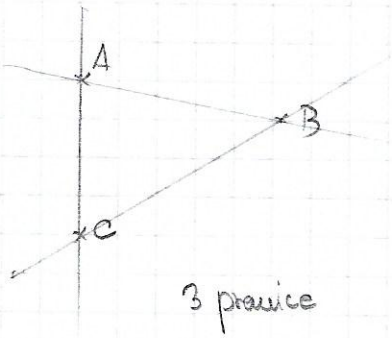
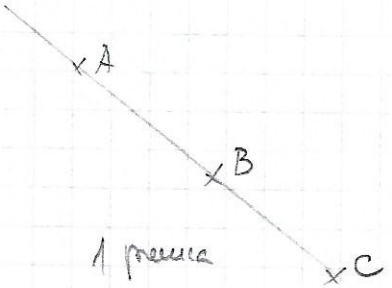
GEOMETRIJA V RAVNINI: OSNOVNI POJMI

738)



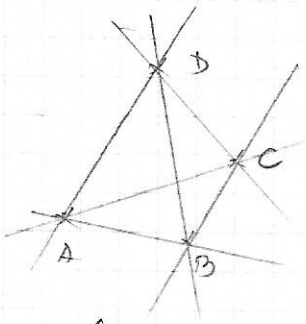
3 premice

ali

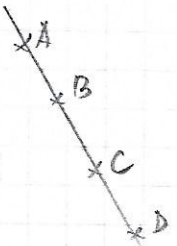


1 premica

739)



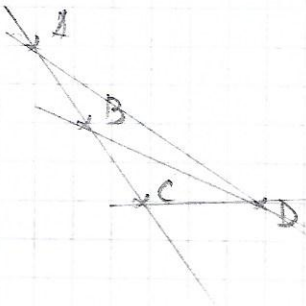
6 premic



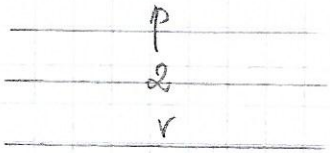
ali

1 premica

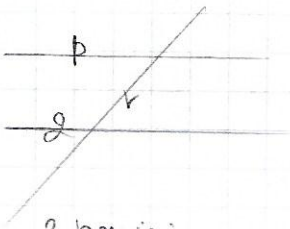
ali



740)

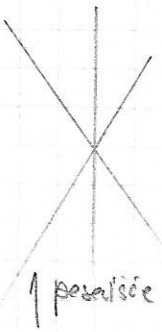


$\emptyset$ presečišč



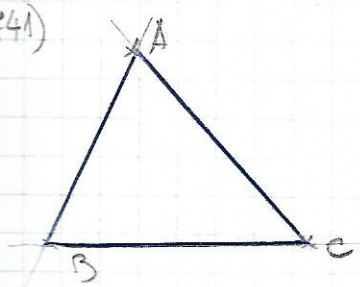
2 presečišči

3 presečišča

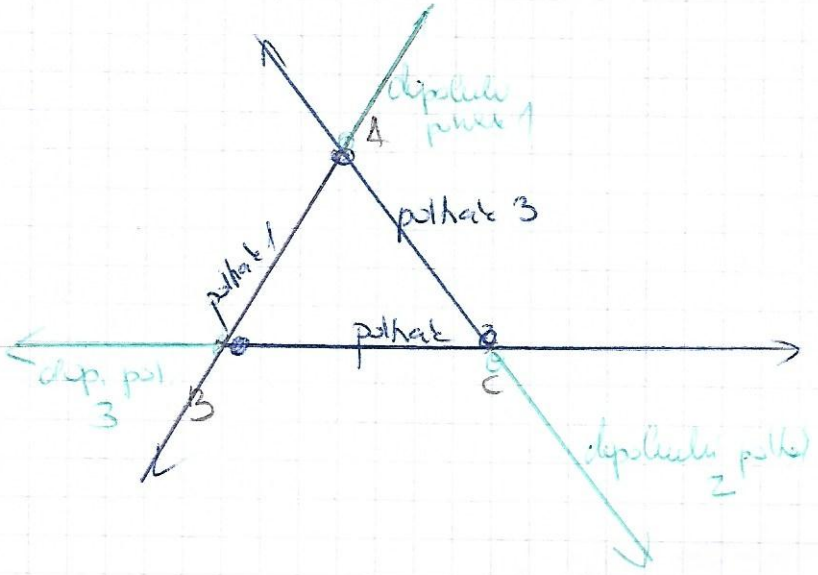


1 presečišče

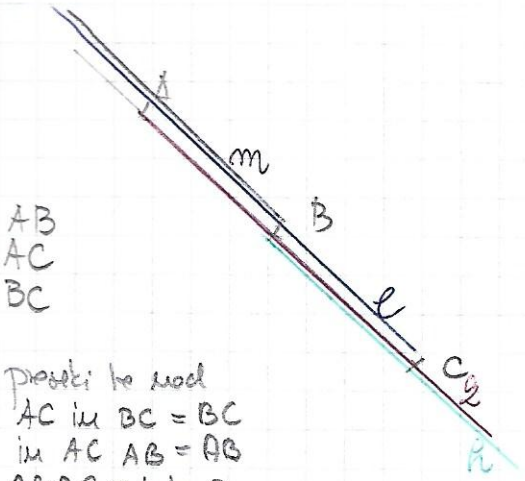
741)



Vse se sekajo v 2h točkah z dvojci daljic.



742)



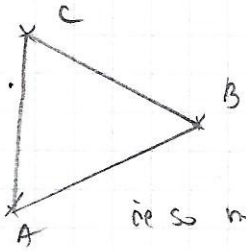
AB
AC
BC

preseki ke med
AC in BC = BC
in AC AB = AB
AB ∩ BC = točka B

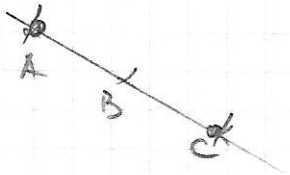
743) Konveksne katerikoli dano daljico, ne seka množice

A, C, e, f, D

744)



ie so nekolinearno



ce so kolinearni

745) št. diagonal: $N = \frac{(n-3)\cdot n}{2}$

$N_8 = \frac{8\cdot(8-3)}{2} = \frac{8\cdot 5}{2} = 20$ $\quad N_{13} = \frac{13\cdot(13-3)}{2} = 65$ $\quad N_{20} = \frac{20(20-3)}{2} = 170$

746) $44 = \frac{n\cdot(n-3)}{2} \Rightarrow 88 = n(n-3) \Rightarrow n^2 - 3n - 88 = 0$

$(n-11)(n+8)$

$n_1 = 11$ ← $\quad n_2 = -8$ ↓ nog. št.

88	2
44	2
22	2
11	11
1	1

747) $3n = \frac{n\cdot(n-3)}{2}$

$6n = n^2 - 3n$

$= n^2 - 9n = n(n-9)$

$n_1 = 0$

$n_2 = 9$

748) $n = \frac{n(n-3)}{2} \Rightarrow 2n = n^2 - 3n \Rightarrow 0 = n^2 - 5n = n(n-5)$ $\underline{n = 5}$

↓ ta ima enako št. diagonal kot ima

toraj $\underline{6 \leq n}$

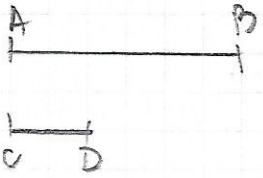
749) $20 = \frac{n \cdot (n-3)}{2} \Rightarrow 40 = n^2 - 3n \Rightarrow n^2 - 3n - 40$

$(n-8)(n+5)$

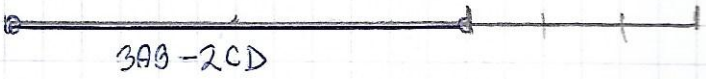
$\underline{n_1 = 8}$

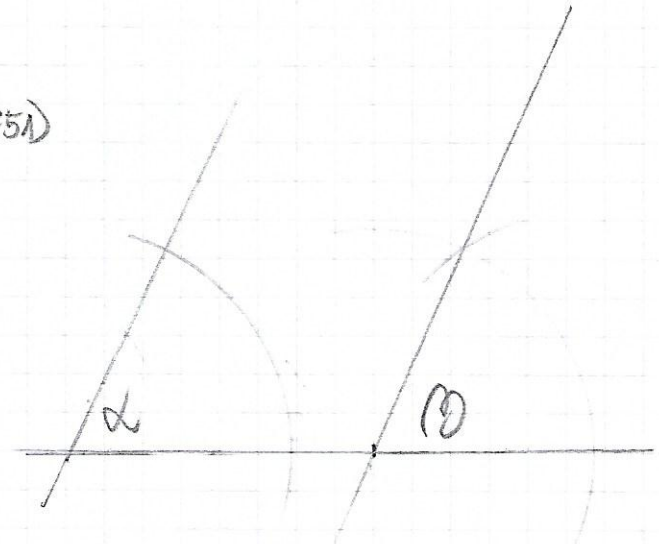
40	2
20	2
10	2
5	5
1	

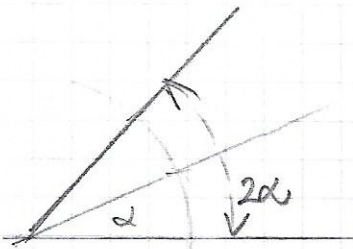
SKLADNOST IN MERJENJE

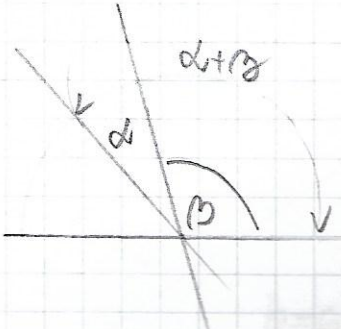
750) 

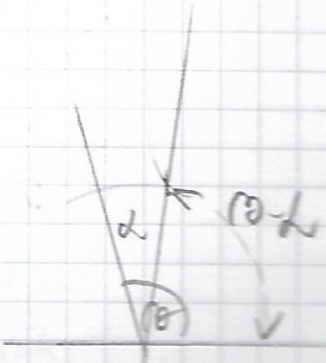
$3AB - 2CD$



751) 

752) 





753) a) $\alpha = 23^{\circ}56^{'} = 23^{\circ}33^{'}36^{''}$

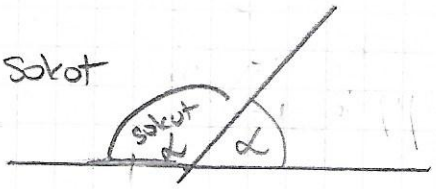
b) $\mu = 124,691^{\circ} = 124^{\circ}41^{'}28^{''}$

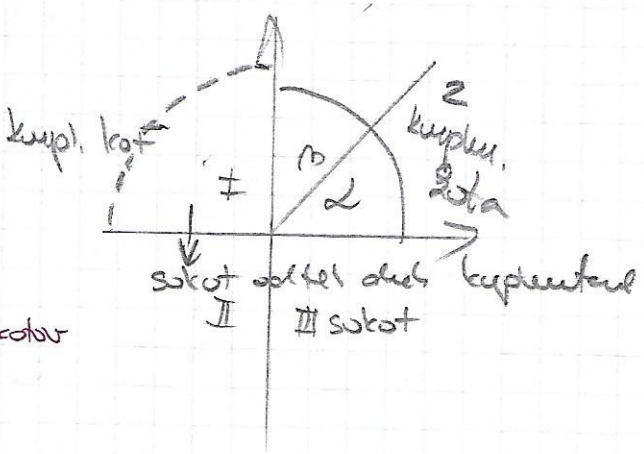
c) $75,85^{\circ} = 75^{\circ}51^{'}0^{''}$

d) $\delta = 13,864^{\circ} = 13^{\circ}51^{'}50^{''}$

754) $\alpha = 45^{\circ}36^{'} = 45,6^{\circ}$ $\quad \mu = 13^{\circ}34^{'}45^{''} = 13,58^{\circ}$ $\quad \Omega = 16^{\circ}51^{'}11^{''} = 16,85^{\circ}$

755) 1 sokot





$360 - 90 = \underline{270}$ št. več sokotov

756) $\alpha - \Omega = 28^{\circ}14^{'}$

$\alpha + \Omega = 180$

$\alpha = 180 - \Omega$

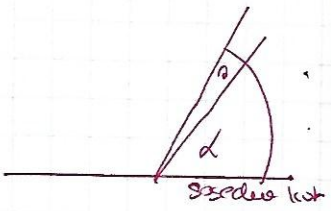
$180 - \Omega - \Omega = 28^{\circ}14$

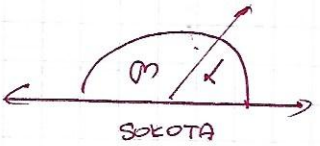
$180 - 2\Omega = 28^{\circ}14$

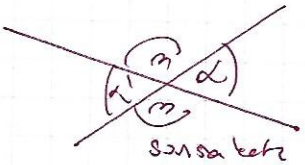
$28^{\circ}14 + 2x = 180^{\circ}$

$x = 75^{\circ}53^{'} = \Omega$

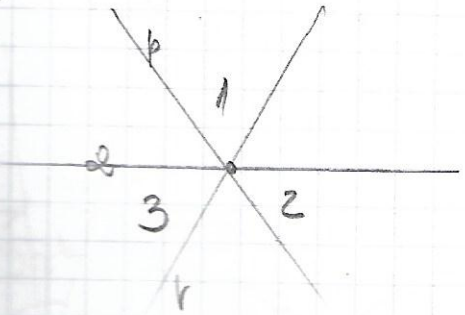
$\alpha = 104^{\circ}7^{'}$







757)



$\sphericalangle$ vseh = 360

3 hesas. koti od vseh $6 = 1/2$

$360 \cdot \frac{1}{2} = \underline{180^{\circ}}$

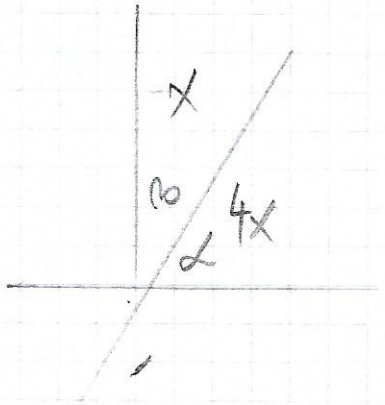
758) $180 = x + \left(x + \frac{2}{7} \cdot 90\right) = 2x + \frac{180°}{7} = 180 \mid \cdot 7$

$14x + 180 = 1260$

$x_2 = 77° 8' 34'' = \underline{77,14°}$ $x_2 = 180 - 77'14$

$= \underline{102,86°}$

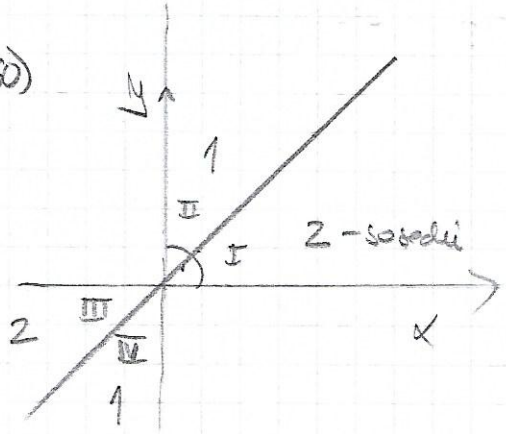
759)



$90 = 4x + x = 5x$

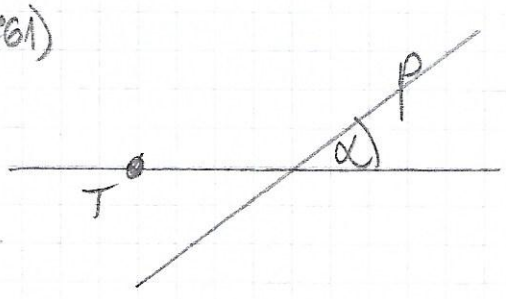
$x_1 = 18°$ $x_2 = 72°$

760)

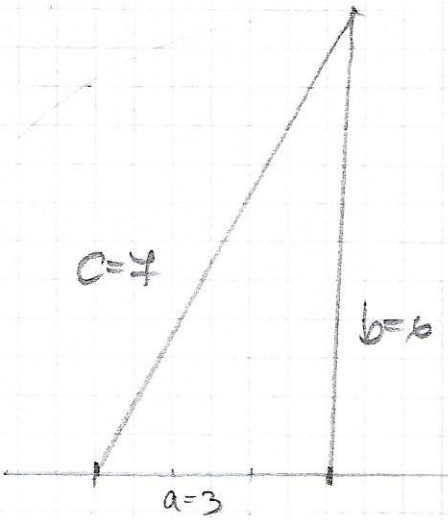


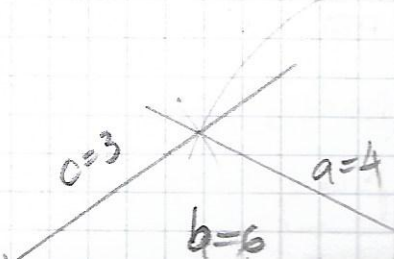
$1+2 = 2+1 = 90°$

761)

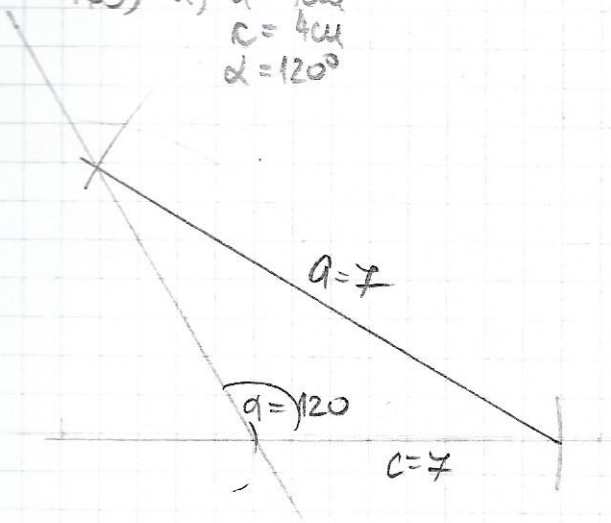


762)

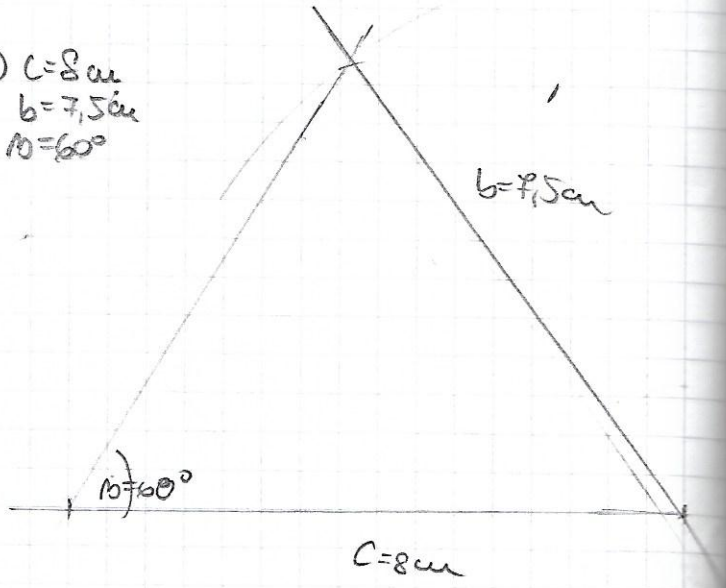




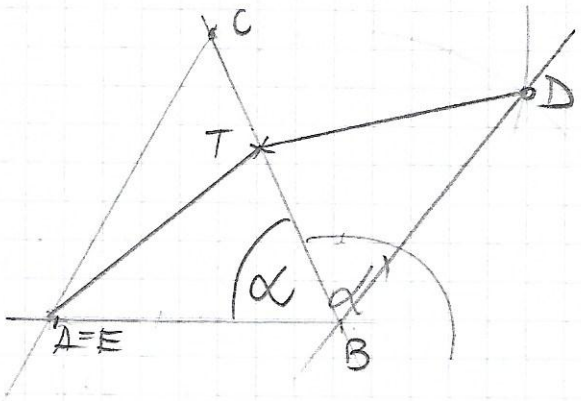
7G3) a) $a = 7\,cm$
$c = 4\,cm$
$\alpha = 120°$



b) $c = 8\,cm$
$b = 7{,}5\,cm$
$\beta = 60°$



7G4)



$\triangle EBT \cong DBT$

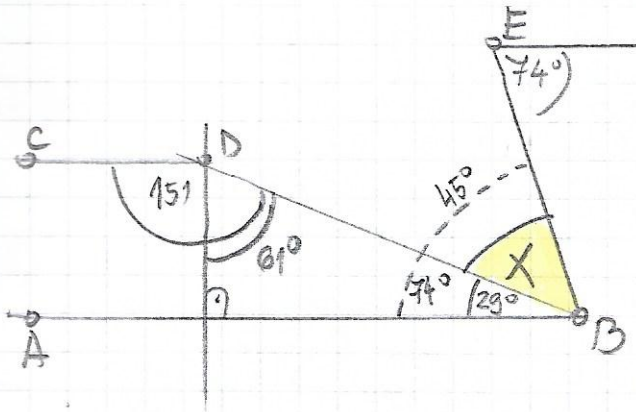
VZPOREDNOST IN PRAVOKOTNOST

7G5) SOSEDNI KOTI: $\alpha \wedge \beta$, $\beta \wedge \gamma$, $\gamma \wedge \delta$, $\delta \wedge \gamma$, $\gamma \wedge \alpha$

SOKOTNI: $\gamma \wedge \delta$, $\eta \wedge \vartheta$

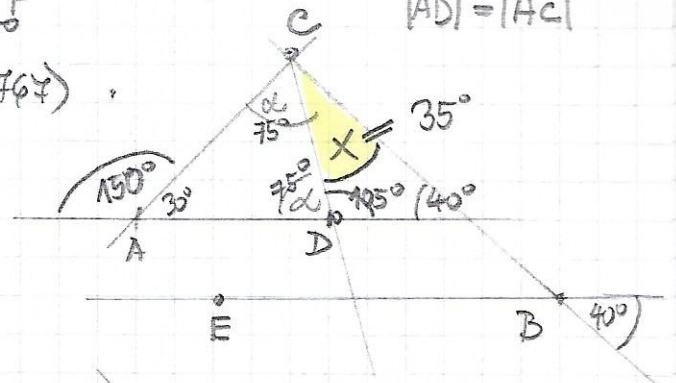
SOVRŠNI: γ in η

7.66)

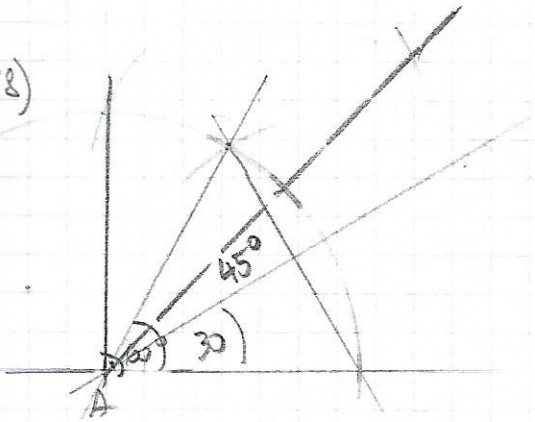


7.67)

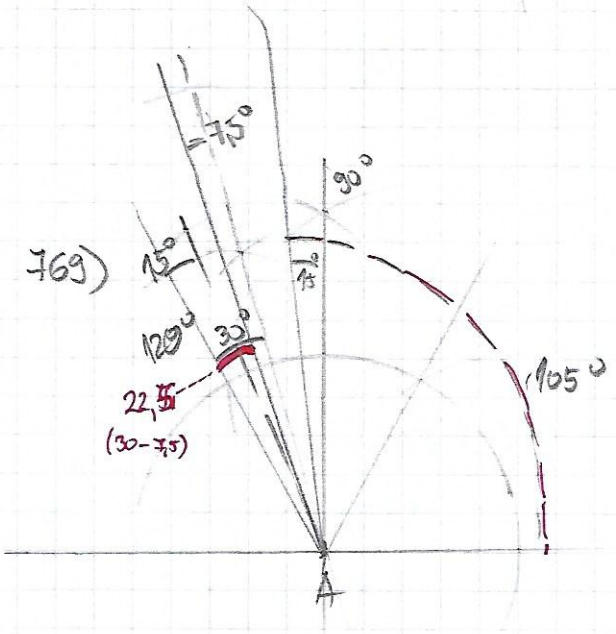
$|AD| = |AC|$



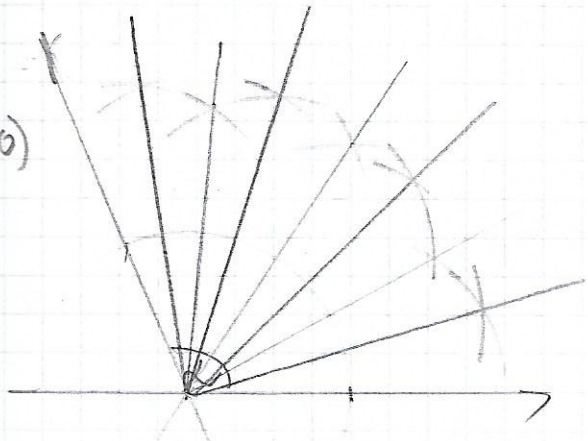
7.68)



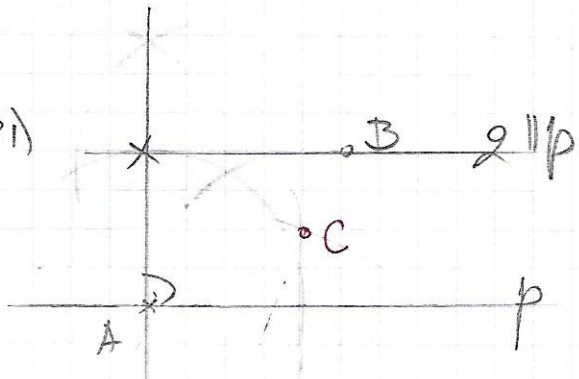
7.69)



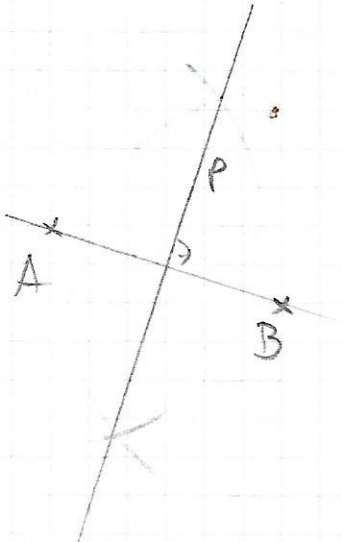
7.70)



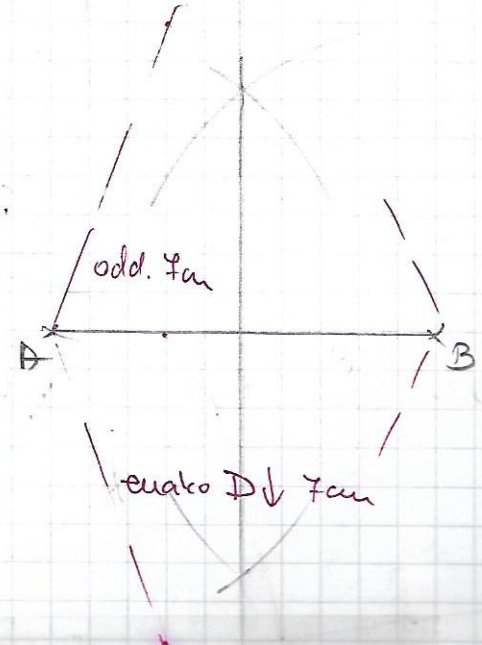
7.71)



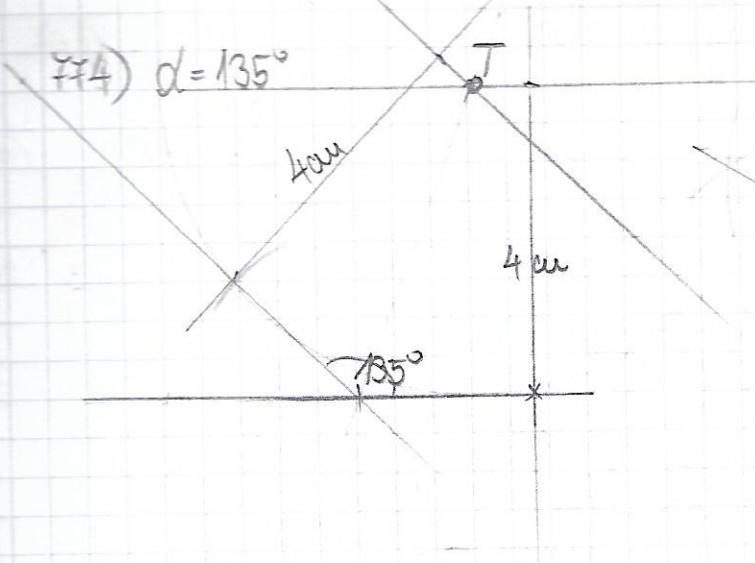
7.72)



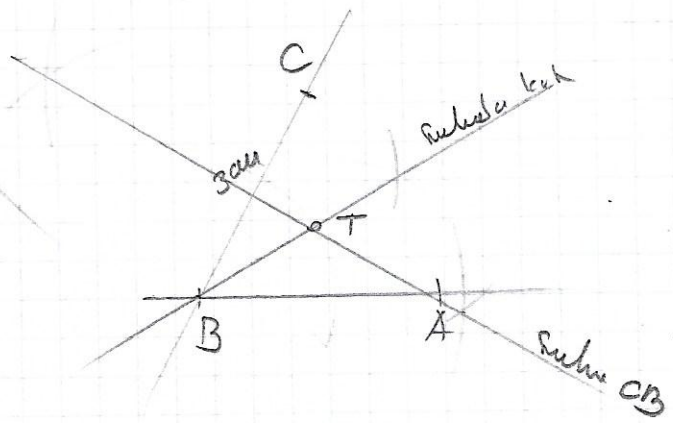
7.73)



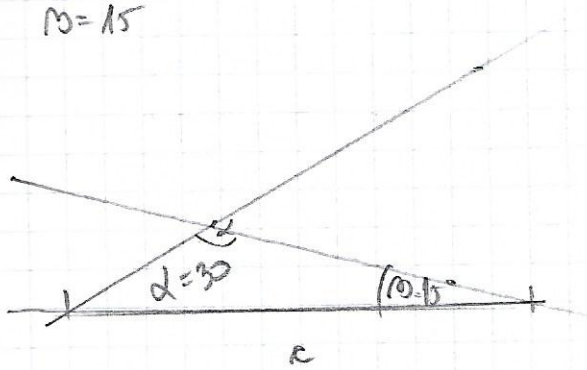
774) $\alpha = 135°$



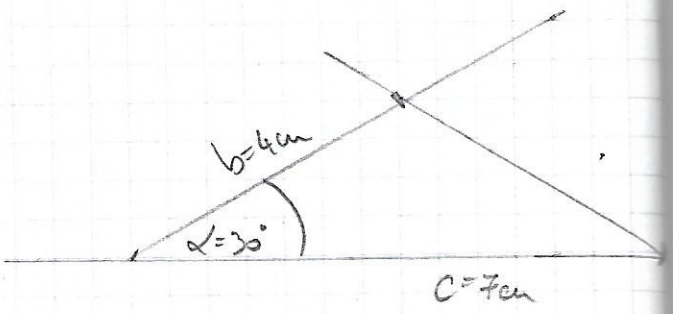
775)



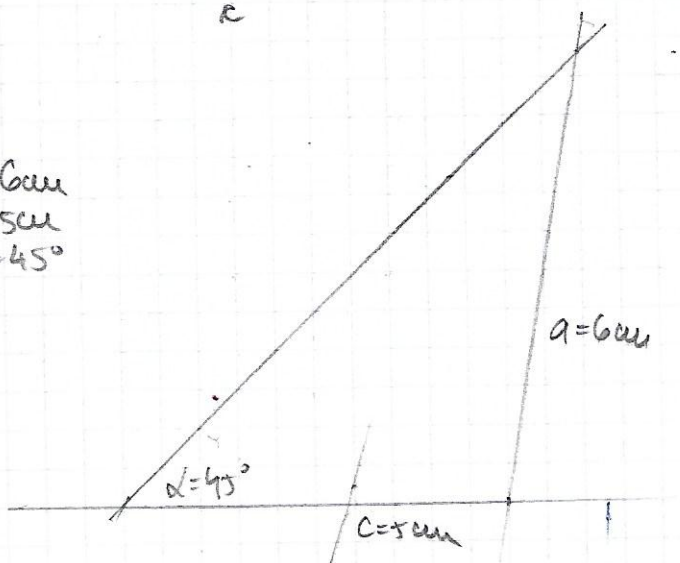
776) $c = 6cm$
$\alpha = 30°$
$\beta = 15$



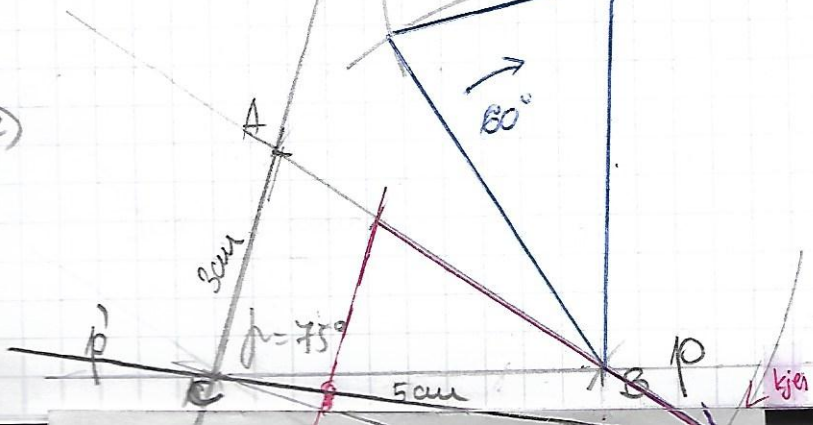
$b = 4cm$
$c = 7cm$
$\alpha = 30°$



$a = 6cm$
$c = 5cm$
$\alpha = 45°$



777)



kjer se seka lok z nosilko AB je B'' rešitev naloge. To