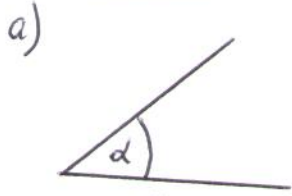
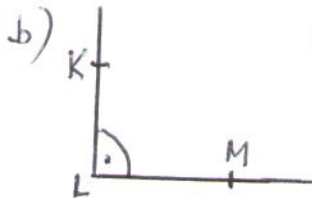


Velikost uhlu

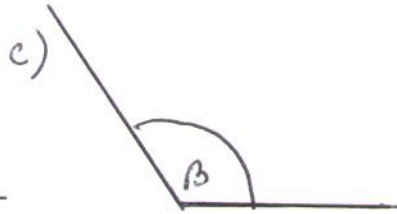
- měříma ve stupních Napr: $\alpha = 35^\circ$ $|\sphericalangle ABC| = 128^\circ$
 - měříma uhloměřem "VELIKOST $\sphericalangle ABC$ je 128° "
 - shodné úhly mají stejnou velikost
- PAMATUJ!**



OSTRÝ úhel
 $0^\circ < \alpha < 90^\circ$



PRAVÝ úhel
 $|\sphericalangle KLM| = 90^\circ$



TUPÝ úhel
 $90^\circ < \beta < 180^\circ$



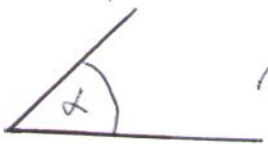
PRÍMÝ úhel
 $|\sphericalangle RST| = 180^\circ$

Pr. Narysuj úhly

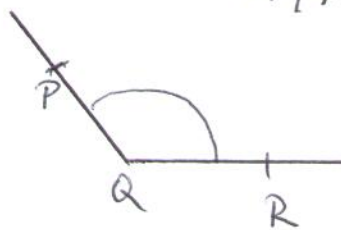
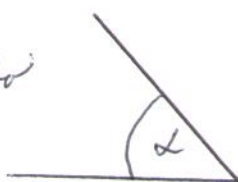
a) $\alpha = 47^\circ$, b) $|\sphericalangle PQR| = 128^\circ$

Rěšení a) $\alpha = 47^\circ$

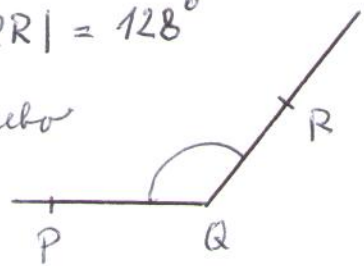
b) $|\sphericalangle PQR| = 128^\circ$



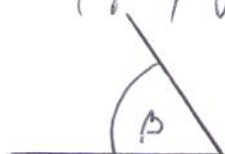
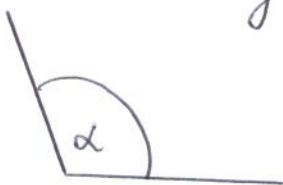
nebo



nebo



Pr. Změř úhly $\alpha, \beta, \gamma, \delta$



Rěšení $\alpha = 110^\circ$

$\beta = 55^\circ$

$\gamma = 28^\circ$

$\delta = 130^\circ$

Stupěň, minuta, vteřina

$1^\circ = 60'$

"1stupěň je 60 minut"

$1' = 60''$

1minuta je 60 vteřin (NE sekund)

A) Převod na minuty

- $1^\circ = 60'$
- $2^\circ = 2 \cdot 60' = 120'$
- $7^\circ = 7 \cdot 60' = 420'$
- $7^\circ 15' = 7 \cdot 60' + 15' = 435'$
- $10^\circ 4' = 10 \cdot 60' + 4' = 604'$
- $9^\circ 48' = 9 \cdot 60' + 48' = 588'$

B) Převod na stupně a minuty

- $60' = 1^\circ$
- $180' = 3^\circ$
- $195' = 3^\circ 15'$
- $457' = 7^\circ 37'$
- $671' = 11^\circ 11'$
- $924' = 15^\circ 24'$

$180 : 60 = 3$

$457 : 60 = 7$

37

$671 : 60 = 11$

71

11

$195 : 60 = 3$

15

$195' = 3^\circ 15'$

$3 \cdot 60' + 15'$

$924 : 60 = 15$

324

24