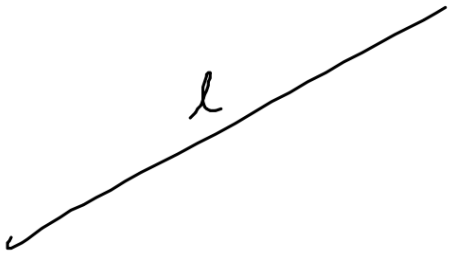
Geom. nimityksiä

A. piste A, pituus = 0

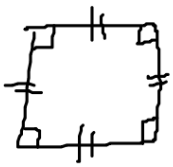
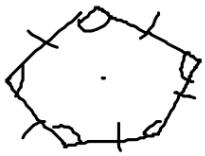
jana AB



suora l

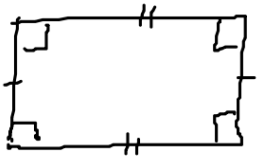
kolmiot: suorakulmainen, tasasivuinen ja –kylkinen

- säännölliset monik. =
  kaikki sivut ja kulmat yhtäsuuria

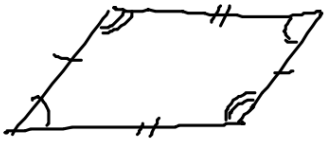




...

- monik.



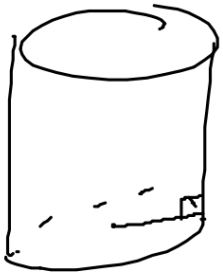
suorakulmio



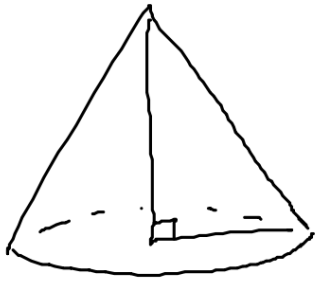
suunnikas

- ympyrä

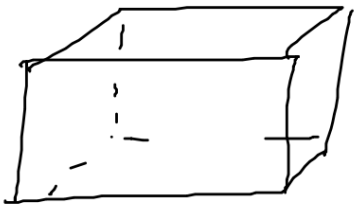
- Suorat 3D-kappaleet



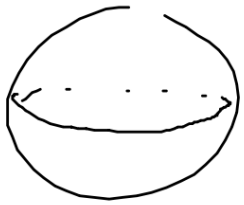
suora ymp. lieriö



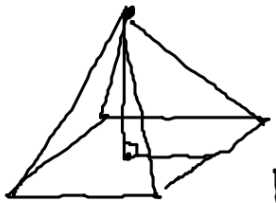
suora ymp. kartio



suorak. särmiö



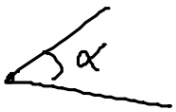
pallo



pyramidit

- suora kulma

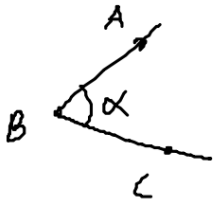
teräväkulma $0° \ldots 90°$



tylppäkulma $90° \ldots 180°$

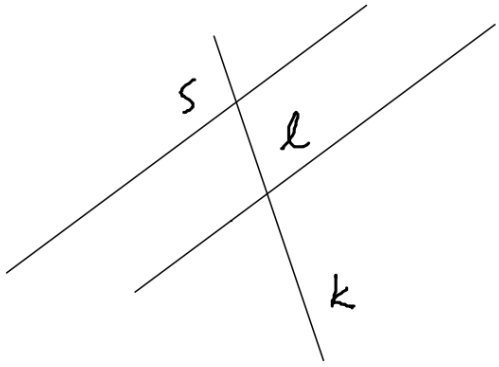
oikokulma $= 180°$

täysikulma $= 360°$



kulma $\sphericalangle CBA = \alpha$

- yhdensuuntaiset suorat: $s \parallel l$

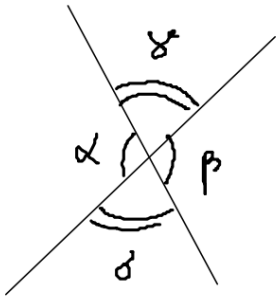


($s \nparallel k$ s ja k eivät ole yhdens.)

- ristikulmat

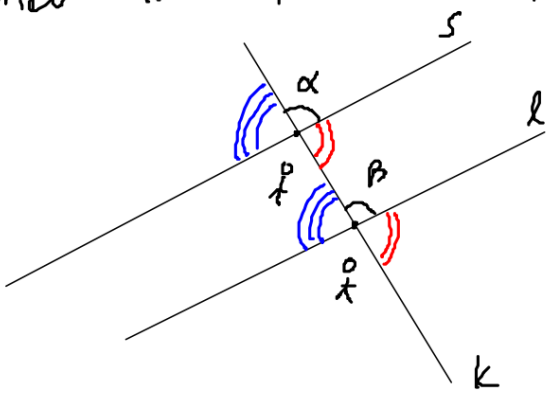
$\alpha = \beta$,

$\gamma = \delta$



kaksi ristik. paria

– samankohtaiset kulmat α ja β:



$s \parallel l$

tämän ehdon oltava voimassa

$\boxed{\alpha = \beta}$ Neljä samank. kulmaparia

– Kulmaa mitataan yleensä asteina. Joskus desimaaliosa ilmoitetaan min ja sek:

$37,48^\circ = 37^\circ \; 28' \; 48''$

$37,48\ h \Rightarrow 37\ h \quad 0,48 \cdot 60 = 28,8 \quad 0,8 \cdot 60 = 48s$

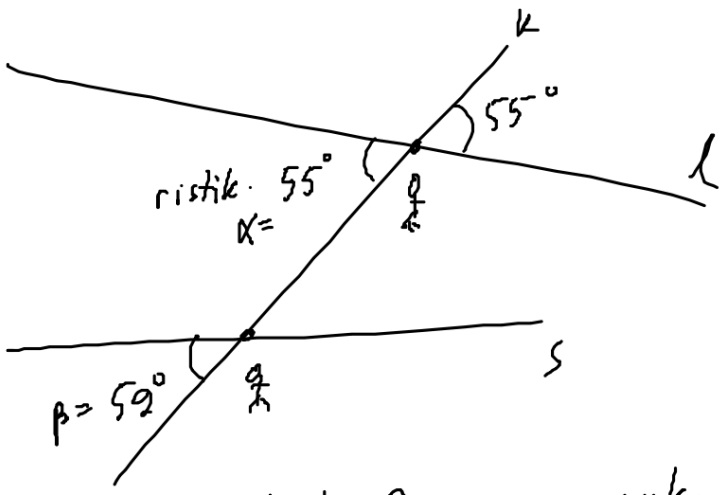
$= 37h \; 28\ min \; 48\ s$

$$4^\circ\ 27'\ 33''$$

$$\downarrow$$

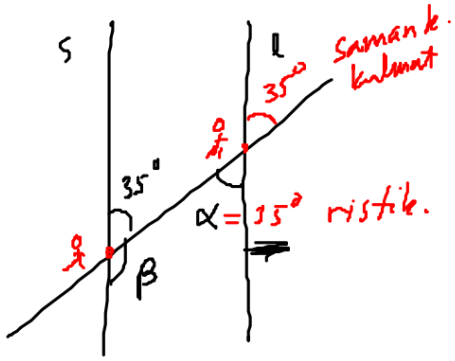
$$4^\circ + \frac{27^\circ}{60} + \frac{33^\circ}{3600} = 4,4592^\circ$$

19.



$\alpha \neq \beta$ samank. kulmat eivät suuria $\rightarrow$ $s \nparallel l$

20.



$s \parallel l$

35° ja β vierek. = 180°

$35^\circ + \beta = 180^\circ \quad | -35^\circ$

$\beta = 145^\circ$