

Geometria

/SLF

Historiaa

Geometrian synty

Euklidinen geometria

- postulaatit
- aksioomat
esim. paralleeliaksioma

Eukleides

n. 300 ekr

- Alkeet

Stoikheia

Peruskäsitteet

Hauska jaollisuus-peli, mitä opiskelijat voivat pelata kotona ;)

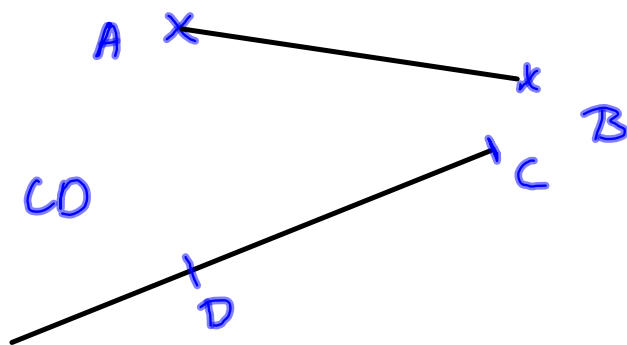
Peli

Tasogeometrian peruskäsitteet

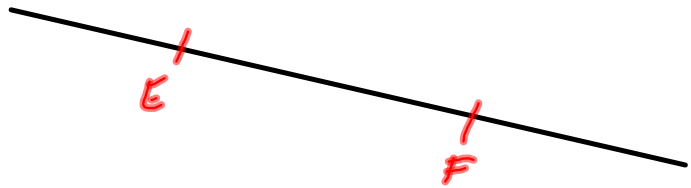
- piste

- jana AB

- puolisuora CD



- suora EF



- kulma

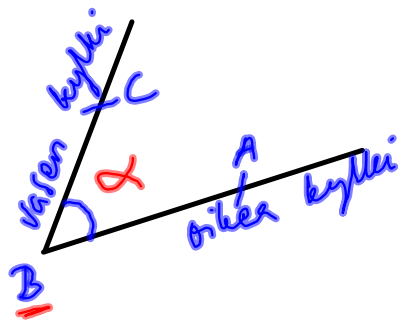
$\sphericalangle ABC$

$\sphericalangle \alpha$

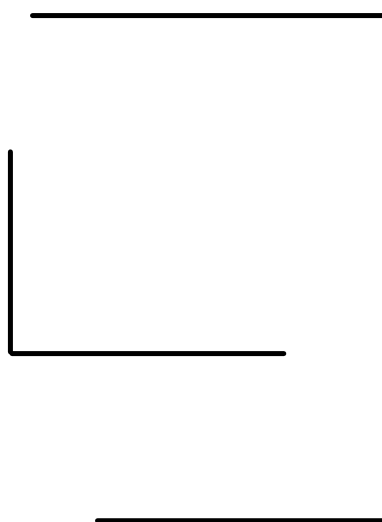
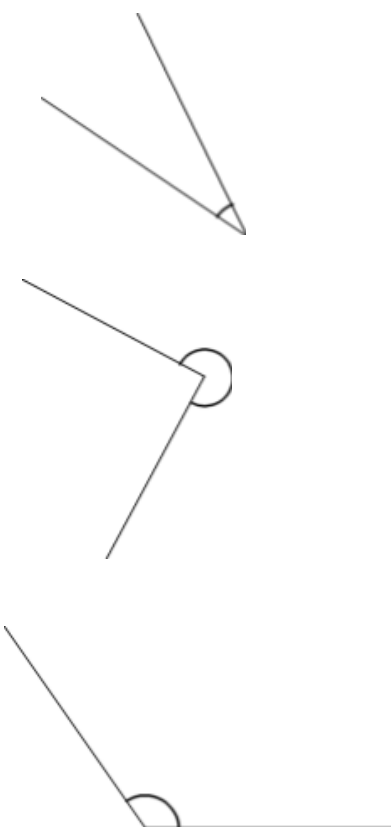
β

γ

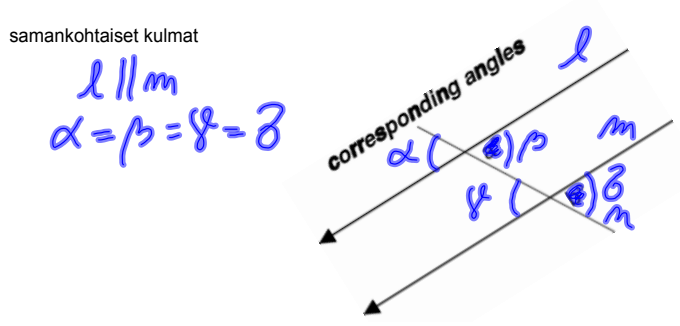
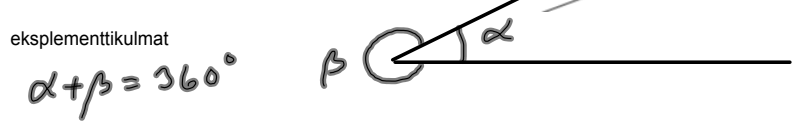
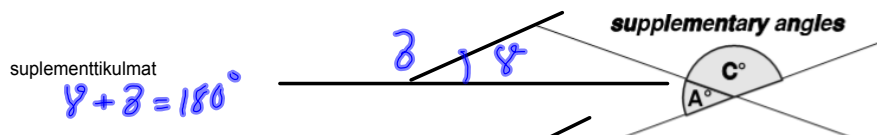
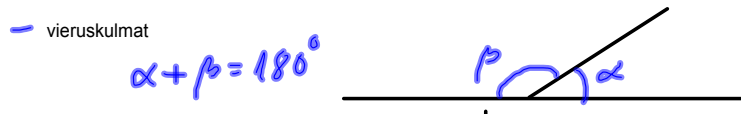
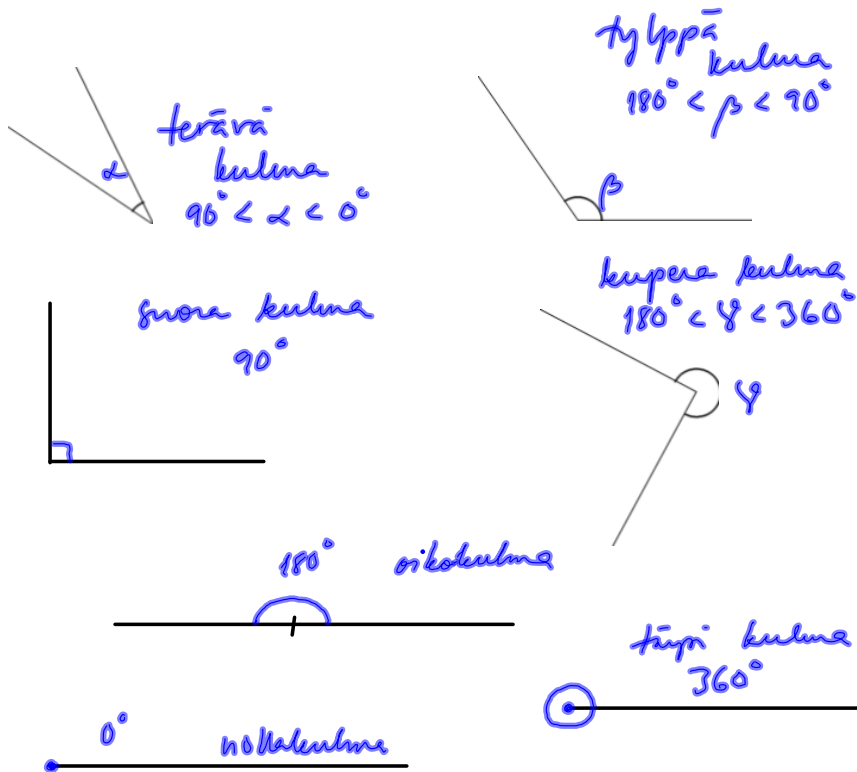
δ



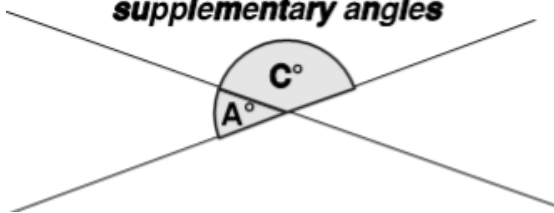
Nimeä kulmat:



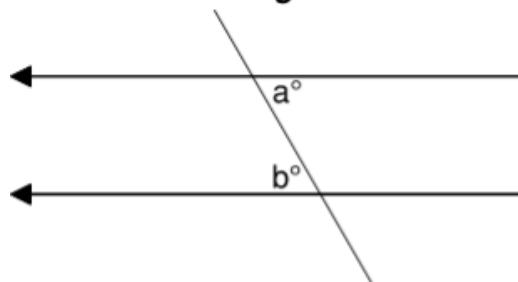
Kulmat



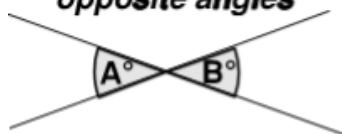
supplementary angles



alternate angles



opposite angles

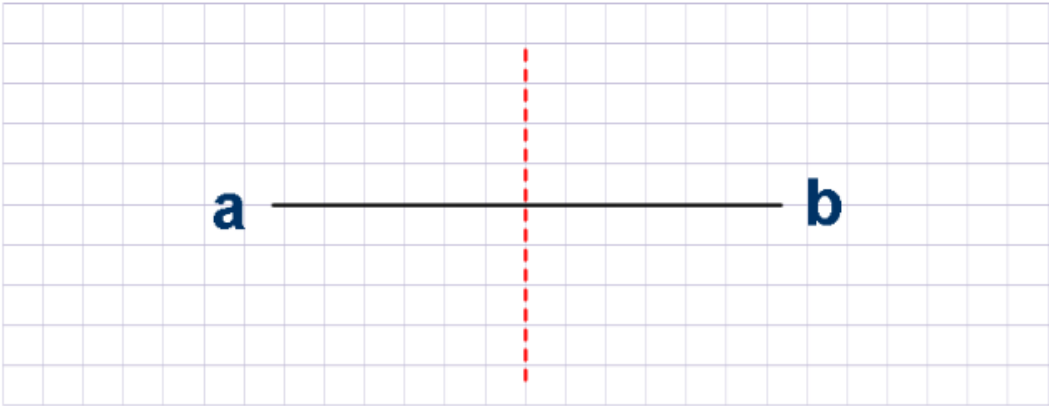


Janan puolittaminen harppikonstruktioilla



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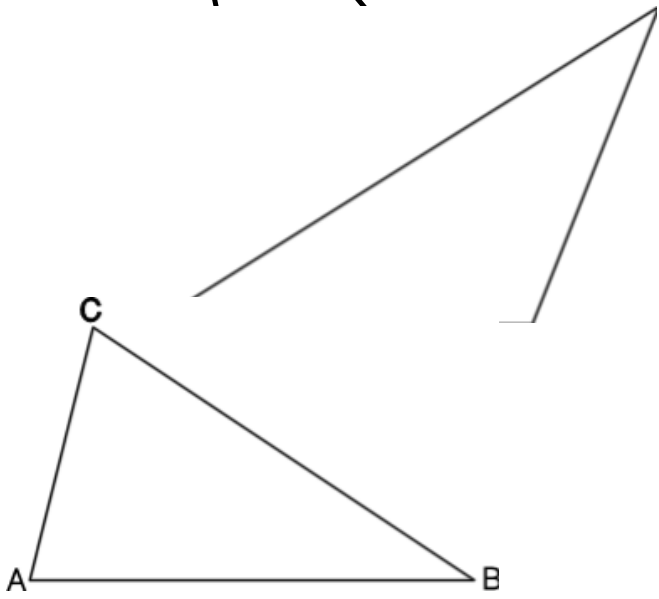
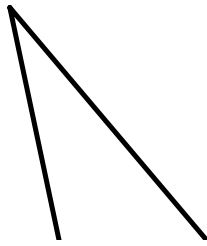
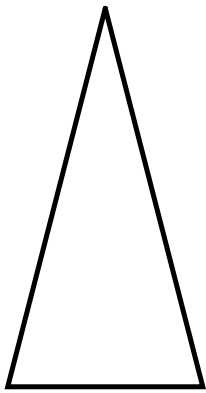
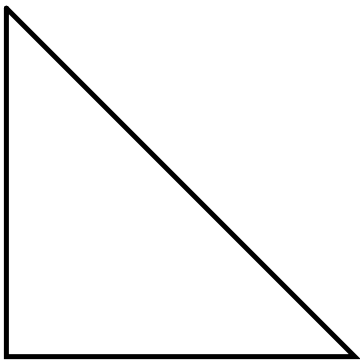
Bisecting Lines

Scene 1 of 6



Construct the perpendicular bisector of the line segment 'ab'.

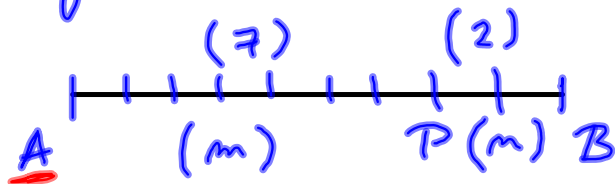
SMART  Supporting Education : 



esim

Piste P jakaa janan AB suhteessa 7:2. Määritä janan AP pituus, kun janan AB pituus on 8.

Ratk. Janan jakosuhte



$$\frac{AP}{PB} = \frac{m}{m}$$

$$\frac{AP}{PB} = \frac{7}{2} \quad | \quad \nearrow \searrow$$

$$\vdots$$
$$AP =$$

due sivulle 24 asti.

204, 207, 208, 210, 212, 214,
215, 219, 224

