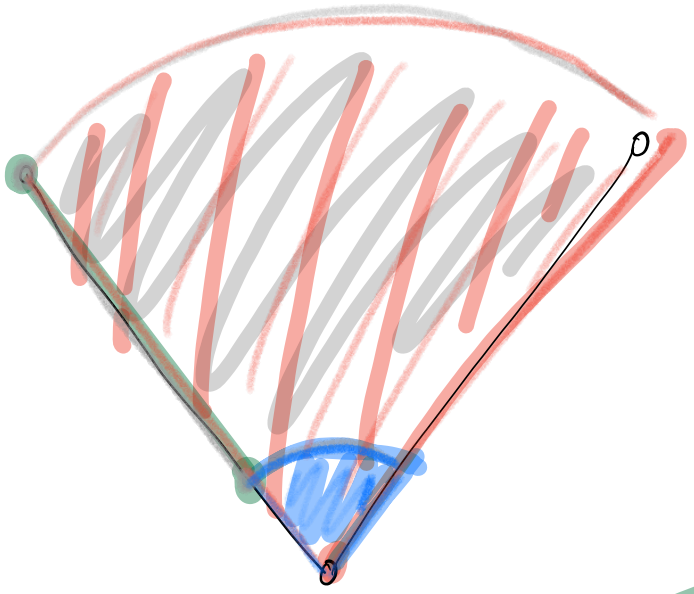
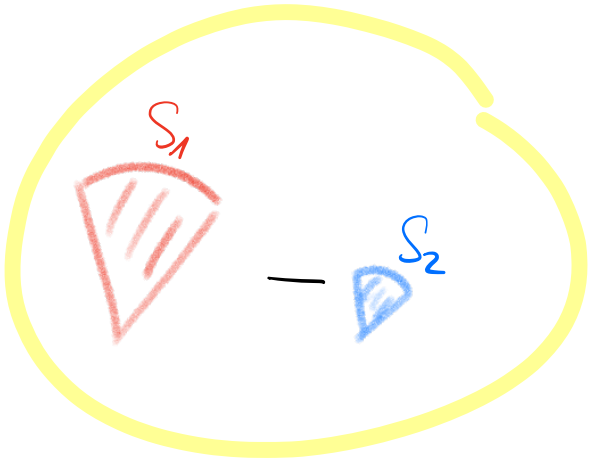
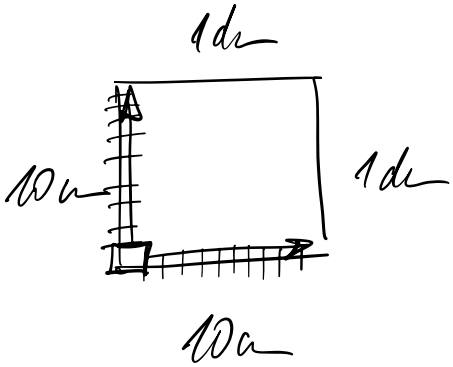




$$\frac{\alpha}{360} = \frac{S}{\pi r^2}$$

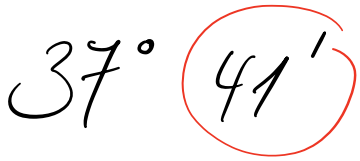


$$1\ dm^2 = 100\ cm^2$$

$$\frac{1832{,}54\ cm^2}{10\,000}$$

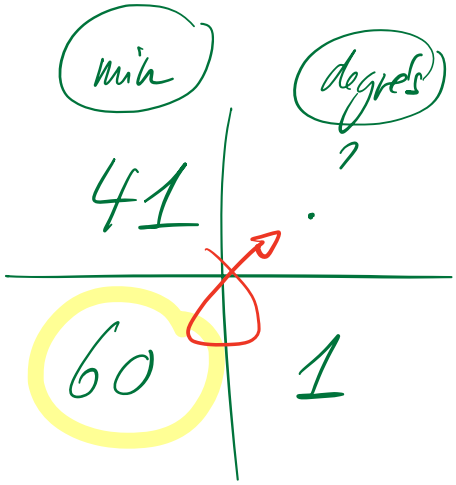
$$100\ cm^2 = 1\ dm^2 = \frac{1}{100}\ m^2$$

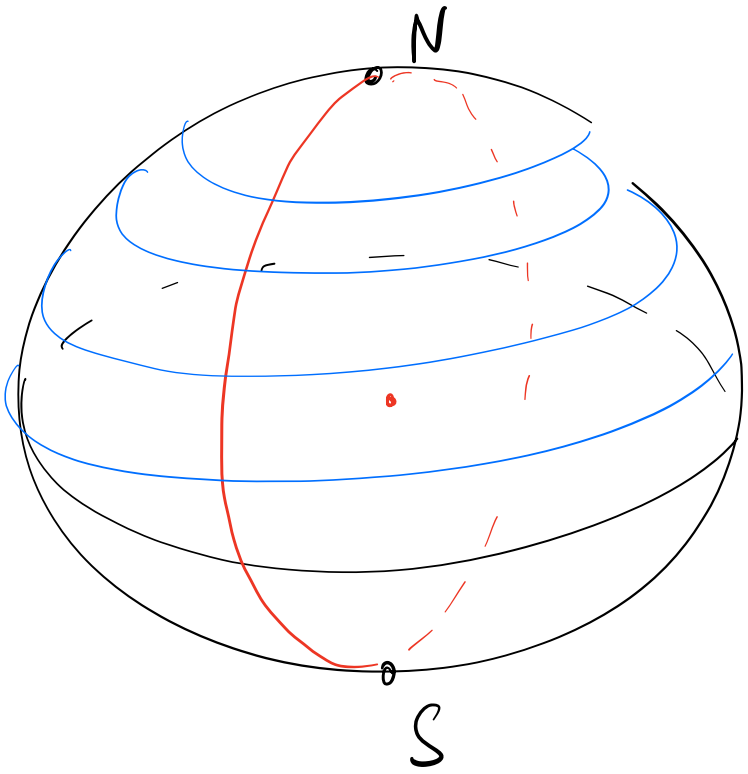
$$1\,a^2 = \frac{1}{100}\,da^2 = \frac{1}{100 \cdot 100}\,m^2$$



$1^\circ \hookrightarrow 60'$

degrees ⟷ minutes




N
S

12.1 à 12.5

12.6

12.7

TE 25/03/2026

12.11

12.12 acd

12.13 ace

12.14 ac

12.15

12.16 12.17 12.28

12.18

12.19

12.21

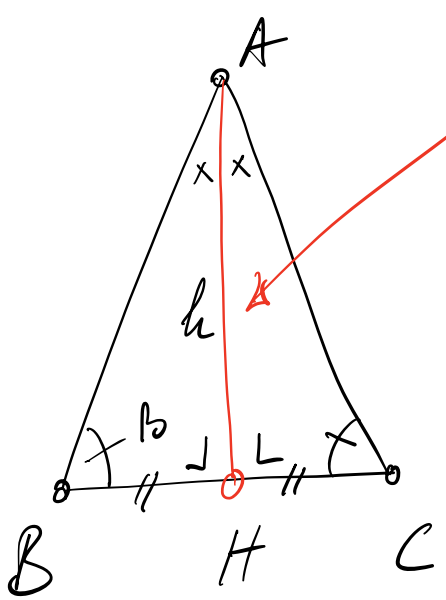
12.22

12.24

12.25

12.26

Triangle isocèle en A



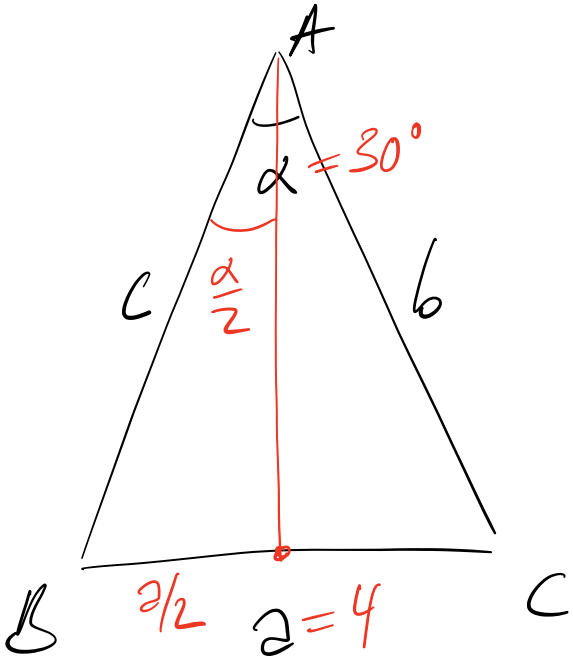
$$\cos\beta = \frac{BH}{BA}$$

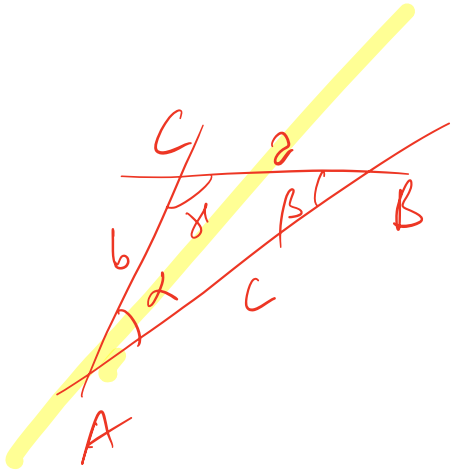
$$\sin\beta = \frac{AH}{BA}$$

$$\frac{1}{6} = \frac{60}{360}$$

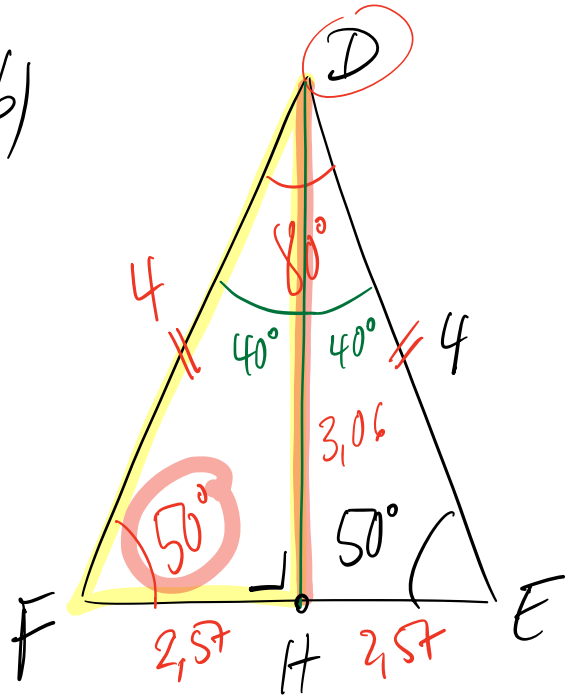
$$\frac{1}{8} = \frac{45}{360}$$

12.14





12.14 b)



$$\sin 50° = \frac{DH}{4}$$

$$DH = 4 \cdot \sin 50° \approx 3{,}06$$

~~$FE \approx 5{,}14$~~

$$FH^2 + 3{,}06^2 = 4^2$$

$$4^2 - (3{,}06)^2 = FH^2$$