

$$\sin \alpha = \frac{a}{c} = \frac{5}{13}$$

$$\cos \alpha = \frac{b}{c} = \frac{12}{13}$$

$$\tan \alpha = \frac{a}{b} = \frac{5}{12}$$

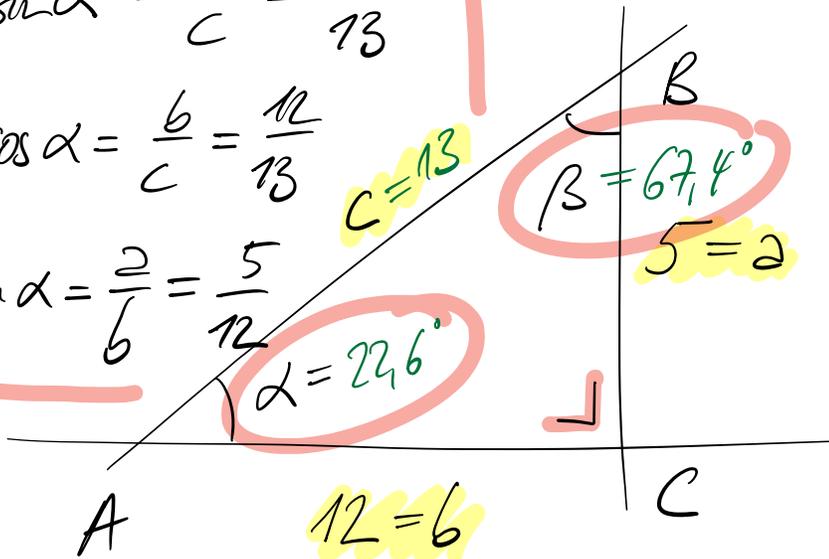
$$c = 13$$

$$\beta = 67,4^\circ$$

$$5 = a$$

$$\alpha = 22,6^\circ$$

$$12 = b$$



Résoudre le  $\Delta$

Calculer:

- tous les angles

- toutes les longueurs

- l'aire:  $\frac{5 \cdot 12}{2}$

$$30$$

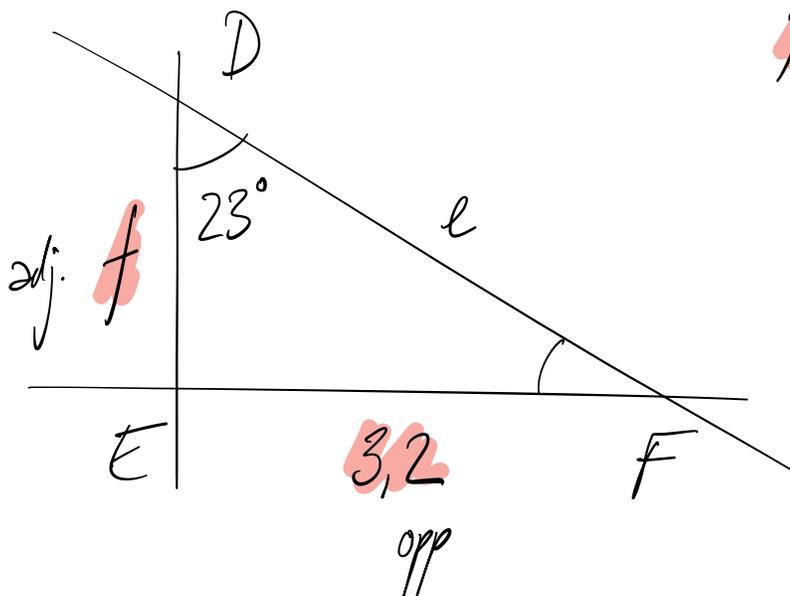
Pythagore:  $a^2 + b^2 = c^2$

$$25 + 144 = 169$$

$$\Rightarrow c^2 = 169 \Rightarrow 13 = c$$

$$\alpha = \sin^{-1}\left(\frac{5}{13}\right)$$

$$\approx 22,6^\circ$$



$$f^2 + 3,2^2 = l^2$$

$$\tan 23^\circ = \frac{3,2}{f}$$

$$4 = \frac{12}{f}$$

$$f = \frac{3,2}{\tan 23^\circ}$$

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