

$$\frac{8}{\sin \alpha} = \frac{5}{\sin \gamma}$$

$$\Rightarrow \frac{8}{\sin 29^\circ} = \frac{5}{\sin \gamma}$$

8	5
0,484	?

$$\sin \gamma = \frac{5 \cdot 0,484}{8}$$

$$\sin \gamma \approx 0,3026$$

$$\gamma \approx 17,6$$

$$\approx 18$$

3 LONGUEURS \rightarrow COSINUS

$$a^2 = b^2 + c^2 - 2bc \cos \alpha$$

$$8^2 = 12^2 + 5^2 - 2 \cdot 12 \cdot 5 \cdot \cos \alpha$$

$$64 = 144 + 25 - 120 \cos \alpha$$

$$64 - 169 = -120 \cos \alpha$$

$$-105 = -120 \cos \alpha$$

$$\frac{-105}{-120} = \cos \alpha$$

$$0,875 = \cos \alpha$$

$$\alpha = \cos^{-1}(0,875) \approx 28,955 \approx 29^\circ$$

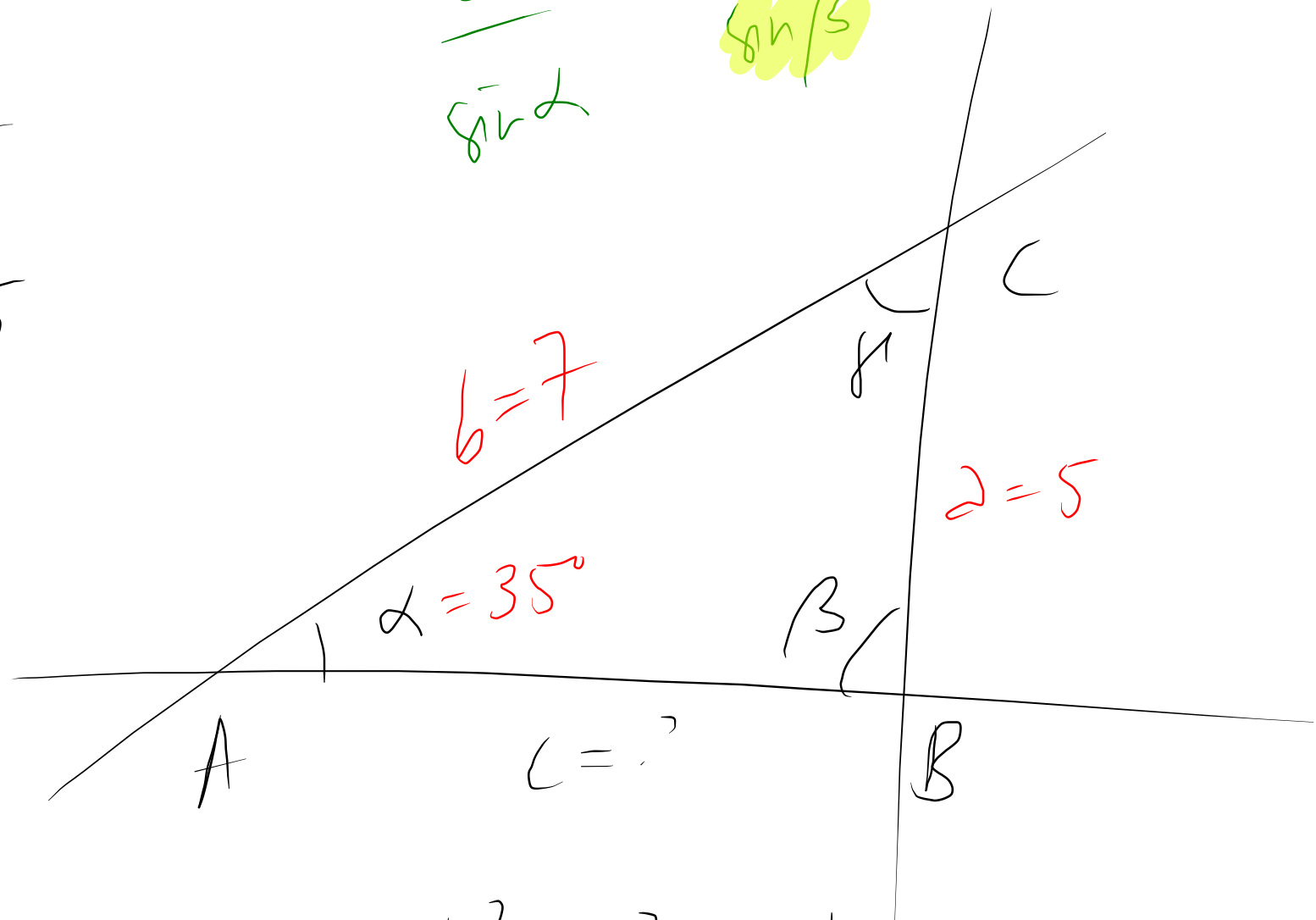
0,875 2nd ^{cos⁻¹}cos

$$\alpha = 35^\circ$$

$$b = 7$$

$$a = 5$$

$$\frac{a}{\sin \alpha} = \frac{b}{\sin \beta}$$



$$a^2 = b^2 + c^2 - 2bc \cos \alpha$$

$$3 = 5 - 4x$$

~~$$3 = x$$~~

$$3 - 5 = -4x$$

$$\frac{3-5}{-4} = x \Rightarrow x = \frac{-2}{-4} = \frac{1}{2}$$