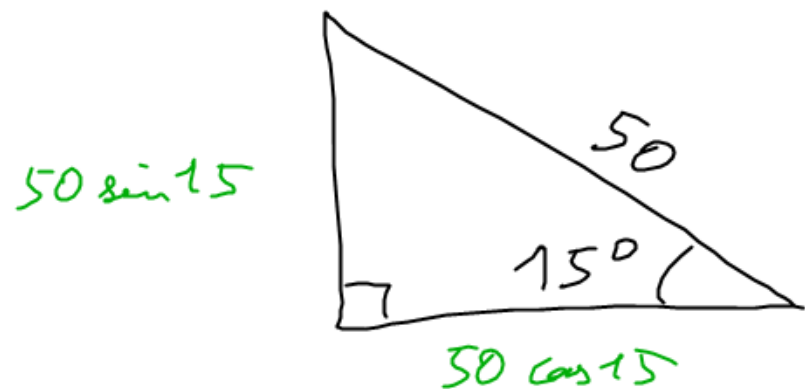
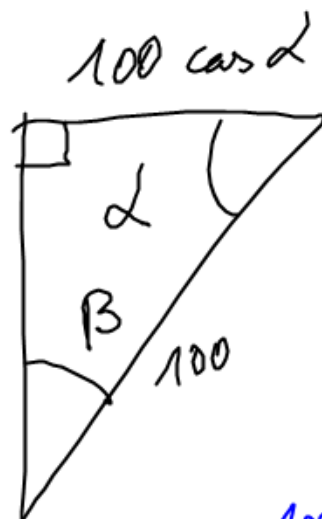
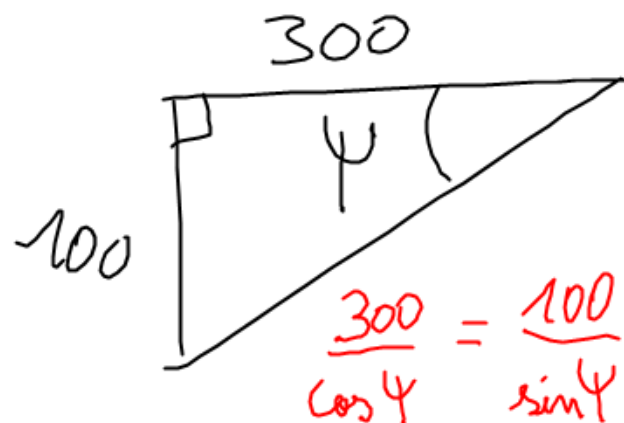
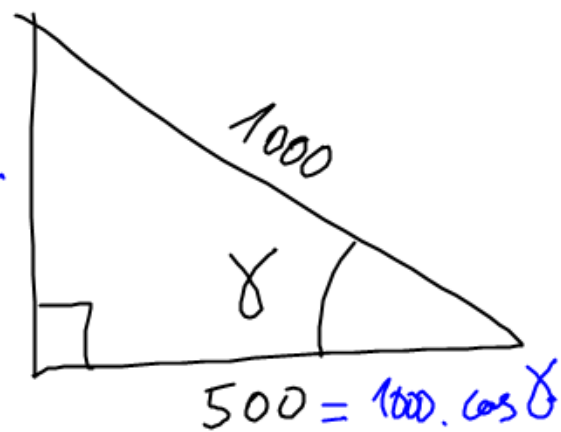




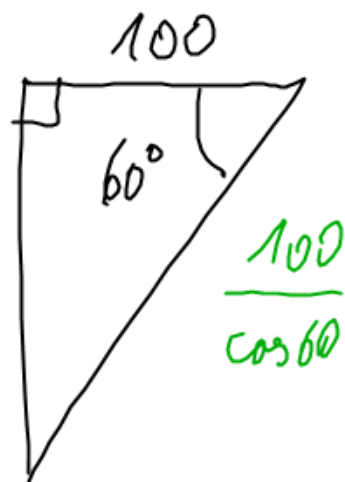
$$100 \sin \alpha = 100 \cos \beta$$



$$1000 \sin \gamma$$



$$\frac{100 \sin 60}{\cos 60} = 100 \tan 60$$



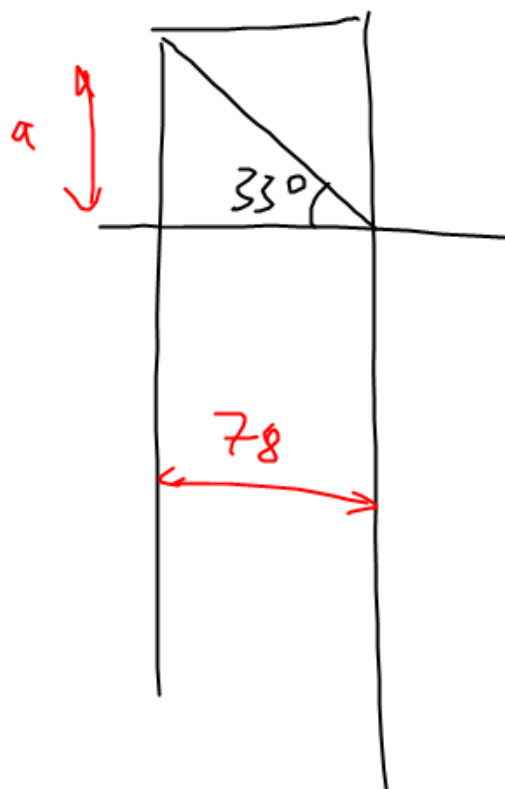
$$\cos \gamma = \frac{500}{1000}$$

$$\cos \gamma = \frac{1}{2} \quad \gamma = 60^\circ$$

$$\gamma = \cos^{-1}\left(\frac{1}{2}\right)$$

$$\frac{\sin \psi}{\cos \psi} = \frac{100}{300} \quad \tan \psi = \frac{1}{3}$$

$$\psi = \tan^{-1}\left(\frac{1}{3}\right) \approx 18^\circ$$



$$\tan 35 = \frac{a}{78}$$

$$a = 78 \tan 35$$





$$\vec{A} = \begin{pmatrix} x_A \\ y_A \\ z_A \end{pmatrix}$$