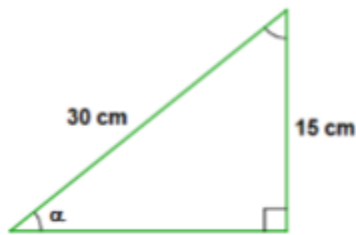


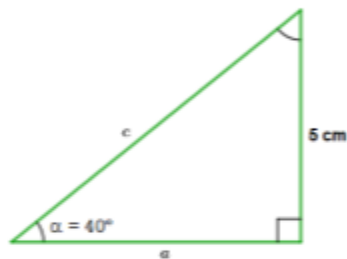
TRIGONOMETRY TEST – 4^o ESO

Exercise 1: (2.25 ptos)

a) (1.5) Find the six trigonometric functions of the angle α . You cannot use Pythagoras' theorem.



b) (0.75) Find the missing sides. You cannot use Pythagoras' theorem.



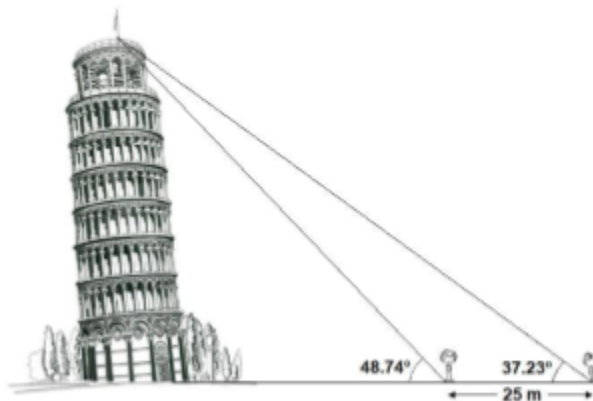
Exercise 2: (1 pto) Find the three principal trigonometric functions (sine, cosine and tangent) of the angle 240° , without using a calculator

Exercise 3: (1.5 ptos) If $\tan \alpha = 3$ and $0^\circ < \alpha < 90^\circ$, find the values of the other five trigonometric functions without using a calculator.

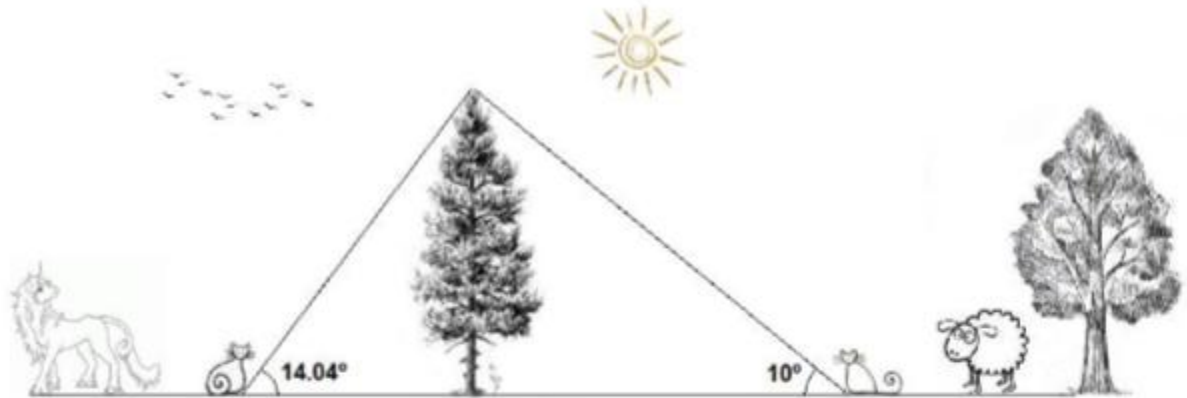
Exercise 4: (1.25 ptos) If $\cos \alpha = 0.62$ and $270^\circ < \alpha < 360^\circ$ find the values of $\sin \alpha$ and $\tan \alpha$ and the value of the angle α

Exercise 5: (1 pto) The base of an isosceles triangle is 40 cm long and the angle between the two equal sides is 30° . Find the area of the triangle.

Exercise 6: (2 ptos) Find the height of the Leaning Tower of Pisa.



Exercise 7: (1 pto) Find the distance between the cats if the tree is 3 m high



PS: I am bored

