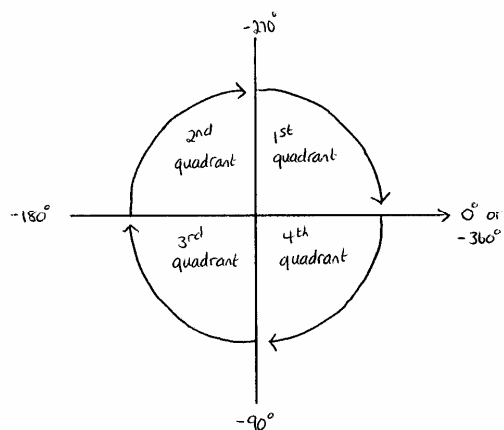
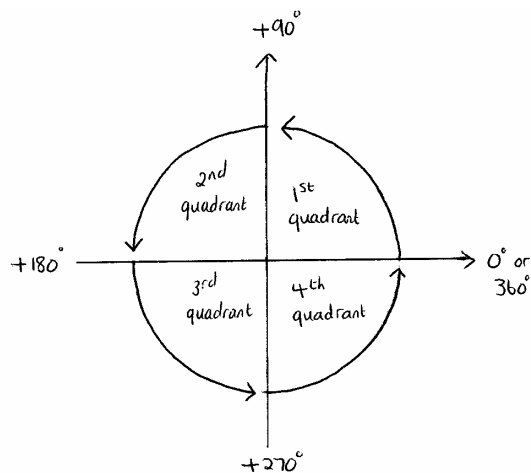


## Using and Understanding Trig Functions for Positive and Negative Angles

The Three Trigonometric ratios are

$$\sin \theta = \frac{opp}{hyp} \quad \cos \theta = \frac{adj}{hyp} \quad \tan \theta = \frac{opp}{adj}$$

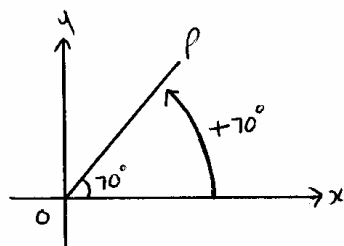
The x-y plane is divided into 4 quadrants



*Example 1.*

Draw the line OP, where O is the origin, and the angle  $\theta$  makes an angle with the positive x-axis.

a)  $+70^\circ$



b)  $-200^\circ$

