

Reduction

Look at the quadrants

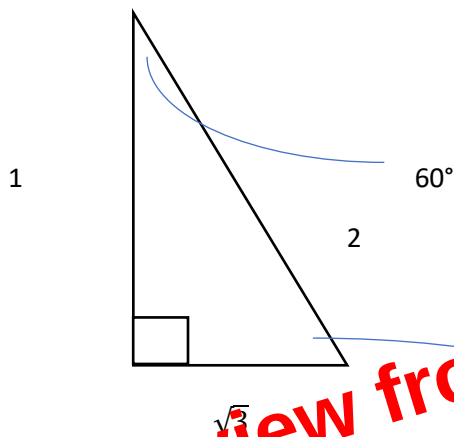
$$\cos(180^\circ - \theta) = -\cos\theta$$

$$\tan(360^\circ - \theta) = -\tan\theta$$

$$\sin(180^\circ - \theta) = \sin\theta$$

$$\cos(90^\circ - \theta) = \sin\theta$$

$$\cos(90^\circ - 30^\circ) = \cos 60^\circ$$



$$\cos(90^\circ - 30^\circ) = \cos 60^\circ$$

$$= \frac{1}{2}$$

$$\sin 30^\circ = \frac{1}{2}$$

Co- functions

$$\cos(-\theta) = \cos\theta$$

$$\sin(-\theta) = -\sin\theta$$

$$\sin(90^\circ - \theta) = \cos\theta$$

$$\sin(90^\circ + \theta) = \cos\theta$$

$$\cos(90^\circ - \theta) = \sin\theta$$

$$\cos(90^\circ + \theta) = -\sin\theta$$