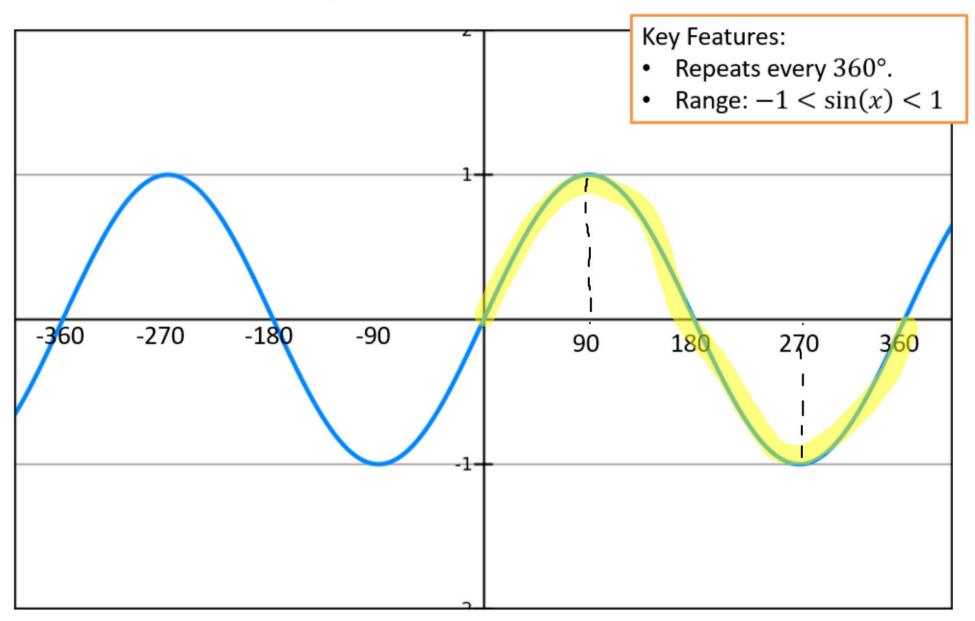
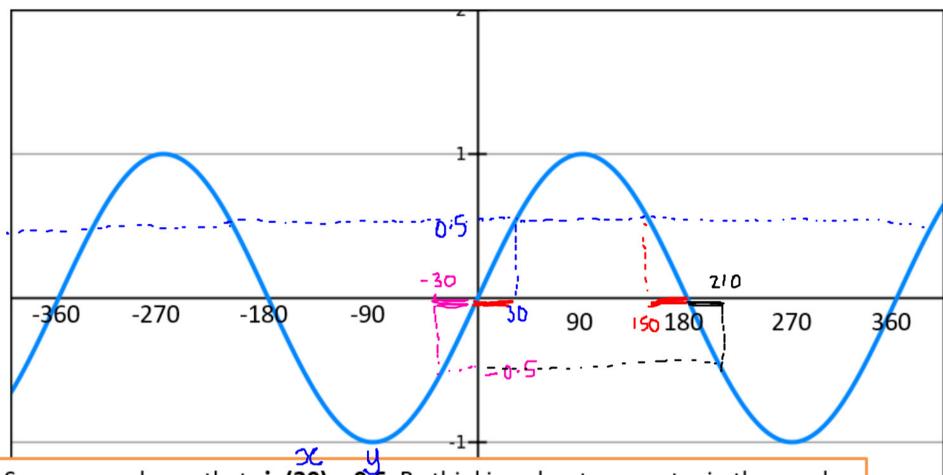
## Sine Graph







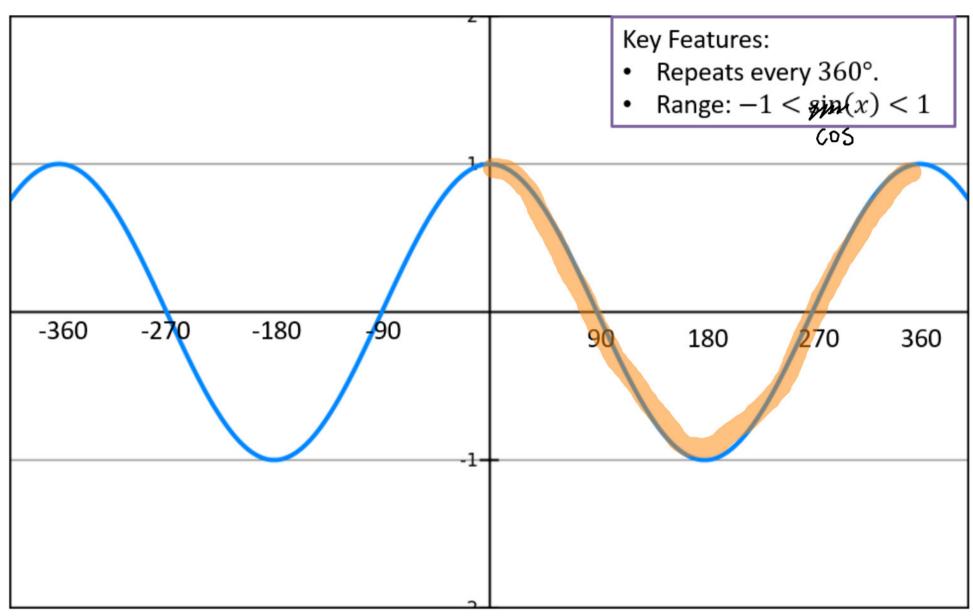
Suppose we know that **sin(30) = 0.5**. By thinking about symmetry in the graph, how could we work out:

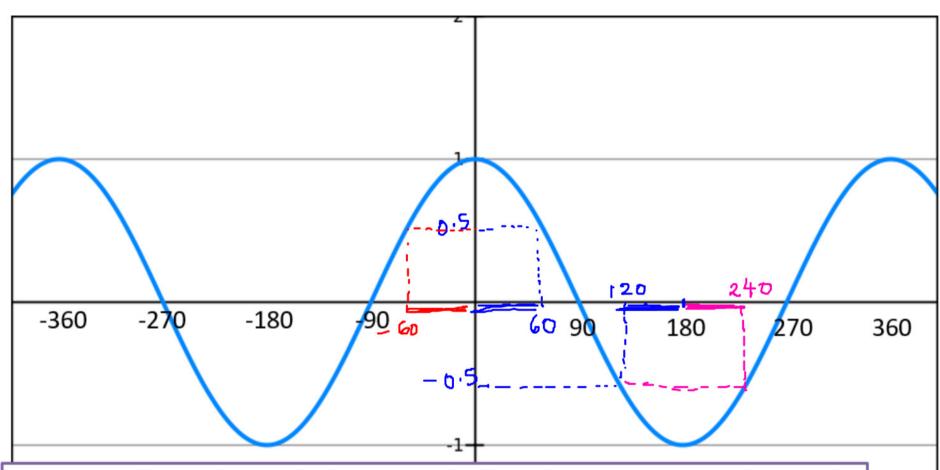
$$sin(150) = 0.5$$

$$sin(-30) = -0.5$$

## Cosine Graph

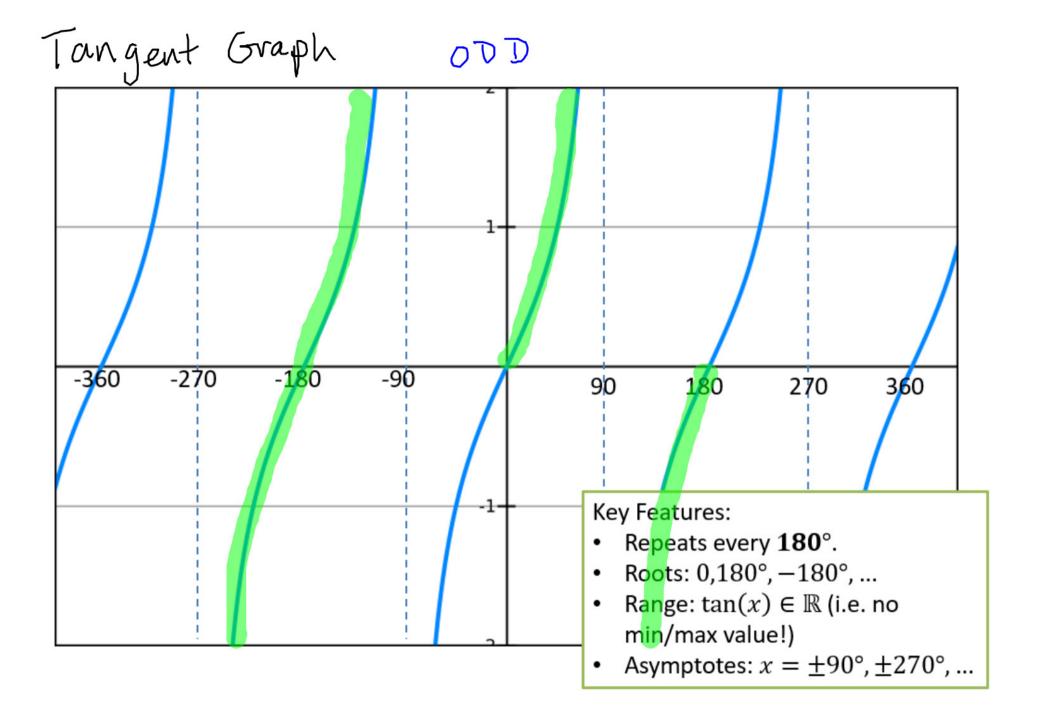
## EVEN FUNCTION

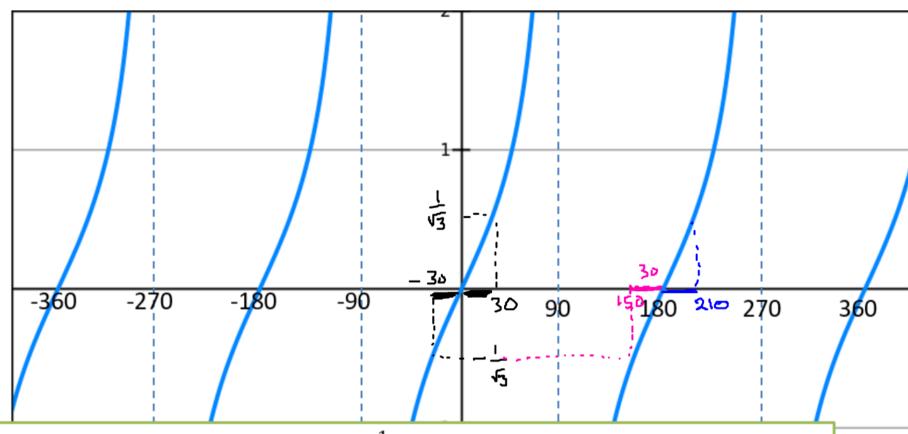




Suppose we know that **cos(60) = 0.5**. By thinking about symmetry in the graph, how could we work out:

$$cos(120) = -0.5$$
 \_  $cos(-60) = 0.5$  \_  $cos(240) = -0.5$ 





Suppose we know that  $\tan(30^\circ)=\frac{1}{\sqrt{3}}$ . By thinking about symmetry in the graph, how could we work out:

$$\tan(-30^\circ) = -\frac{1}{\sqrt{3}}$$

$$\tan(150^{\circ}) = -\frac{1}{\sqrt{3}}$$

 $\frac{\sqrt{3}}{\text{Ex 9F}} = \frac{1}{\sqrt{3}}$