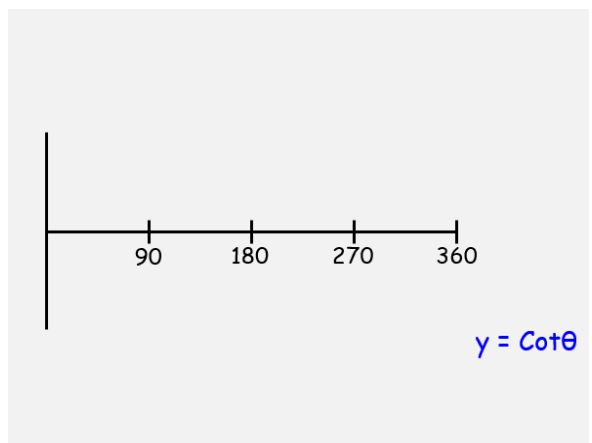
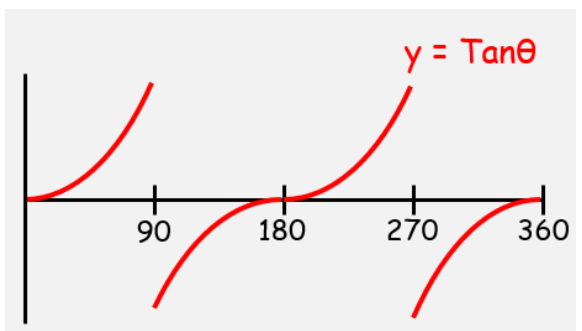
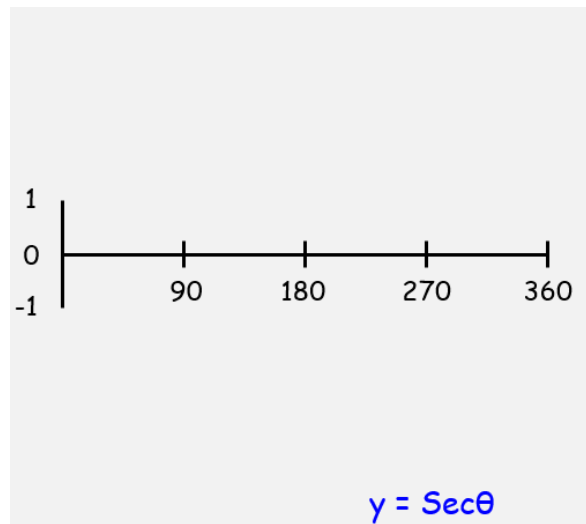
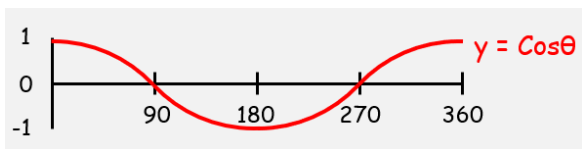
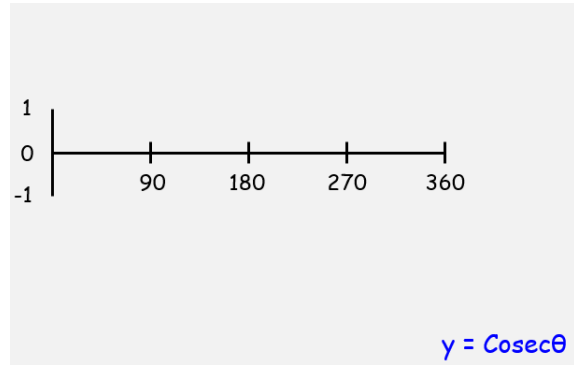
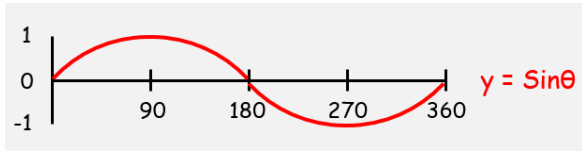
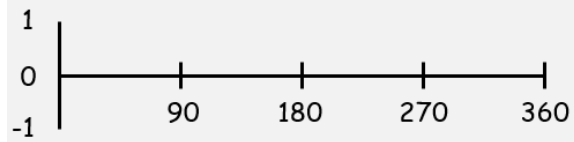
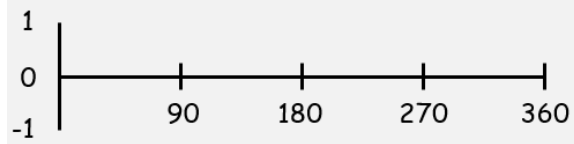
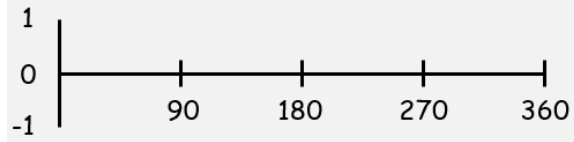


6B Reciprocal Trigonometric Graphs



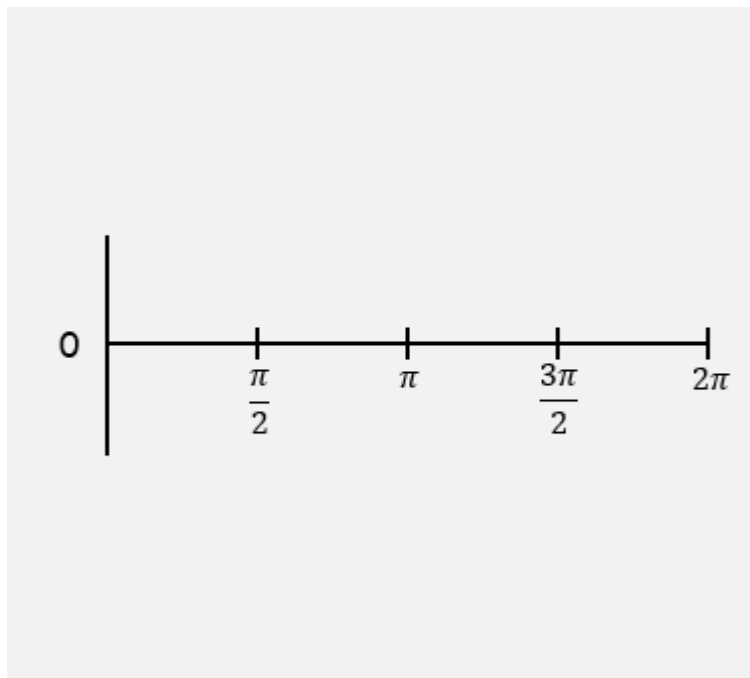
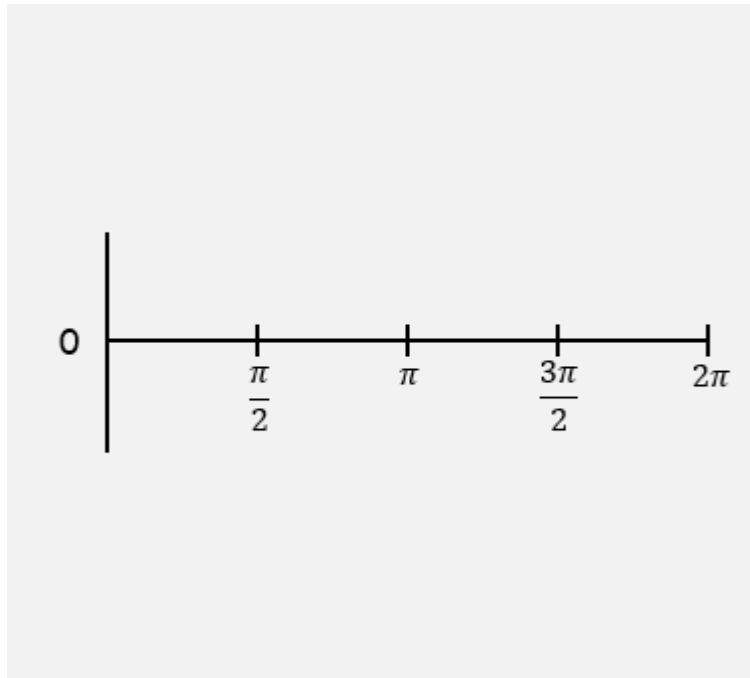
1. Sketch, in the interval $0 \leq \theta \leq 360$, the graph of:

$$y = 1 + \sec(2\theta)$$



2. Sketch the graph of:

a) $y = 4\operatorname{cosec}x$, $0 \leq x \leq 2\pi$



b) On the same axes, sketch the line $y = x$

c) State the number of solutions to the equation:

$$4\operatorname{cosec}x - x = 0 \quad 0 \leq x \leq 2\pi$$