1. Rearrange into sin =
2. Find solution in Basic Quads
3. Remember Multiple solutions

90° $\frac{\pi}{2}$

S A

180° π 0°

T C

270° $\frac{3\pi}{2}$

÷180 then x π

degrees ⇄ radian $\frac{\pi}{2}$

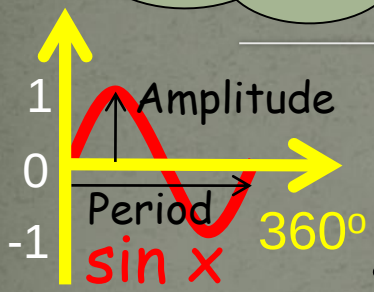
then x 180 ÷ π

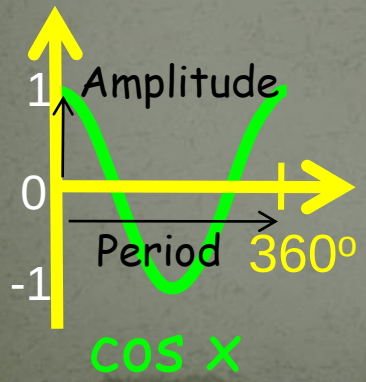
Exact Value Table

	sin	cos	tan
0°	0	1	0
30°	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{3}}$
45°	$\frac{1}{\sqrt{2}}$	$\frac{1}{\sqrt{2}}$	1
60°	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$
90°	1	0	undefined

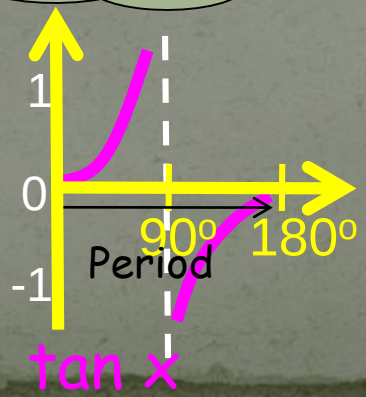
Basic Strategy for Solving Trig Equations

Trigonometry sin, cos , tan

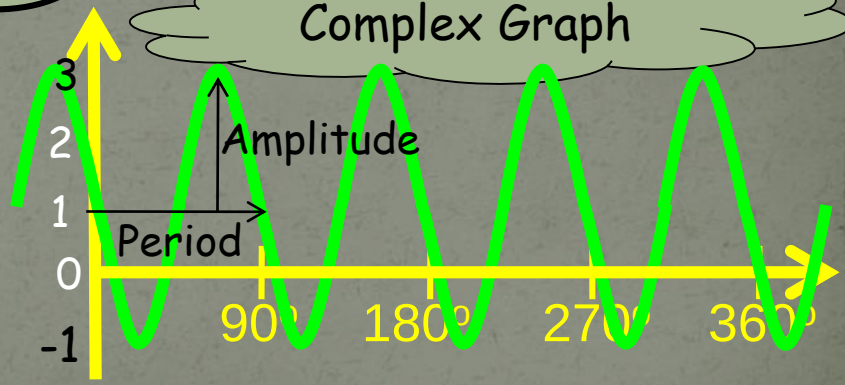




Basic Graphs



Complex Graph



$y = 2\sin(4x + 45^\circ) + 1$

Max. Value =2+1= 3 Period = 360 ÷4 = 90°

Mini. Value = -2+1 -1 Amplitude = 2