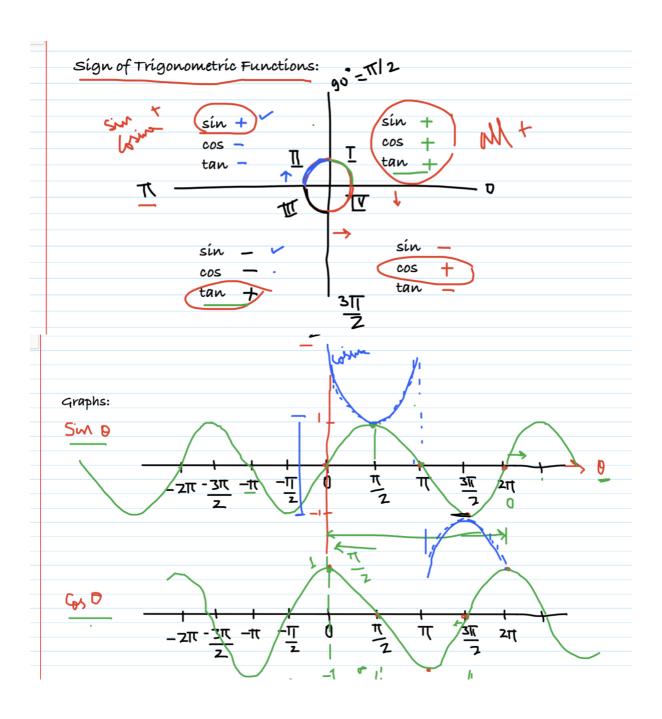
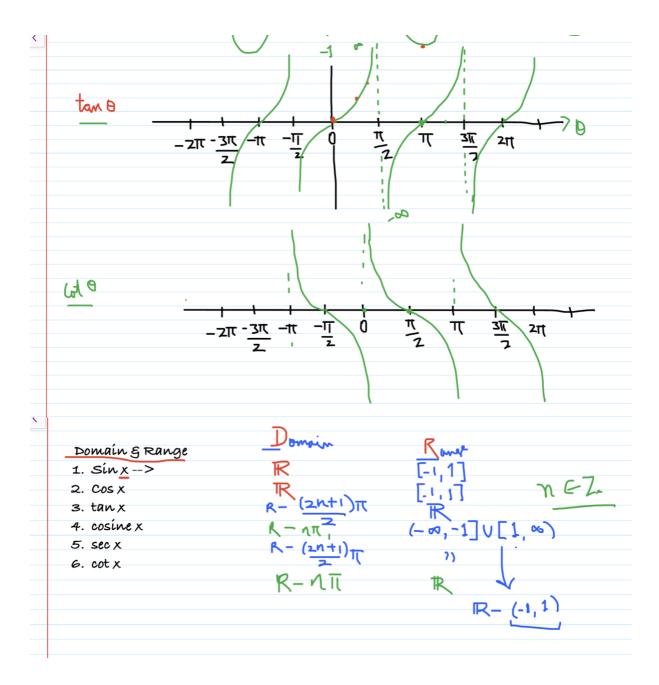


Sin 
$$\Theta = 0$$
  $\rightarrow 0$ ,  $\pi$ ,  $2\pi$ ,  $3\pi$ , ...  $n\pi$   $1 \in \mathbb{Z}$ 
 $\begin{cases} 2n^{+1} | \pi \\ 2n^{-1} | \pi$ 

0 →	0	<u>π</u>	<u>π</u> <u>π</u> <u>π</u>	$\frac{\pi}{2}$ $\frac{3\pi}{2}$	2π
Sim 0	O	1/2	1/52 53	0 -1	0
(m) 0		13/2	1/1/2 1/2	0 -1 6	1
tm o	0	13	1 53	∞ 0 ∞	0





Ex1 - If cosx = -3/5, x lies in the third quadrant. Find the values of other trigonometric functions Sin+= 1-482 x = 11-4 Ex2 - Sín (-450°)  $Sin(-450^{\circ}) = sin(-450^{\circ} + 360^{\circ})$ -Singo = sín(-90°) =  $Sim (0) = Sim (0 + 2n\pi)$