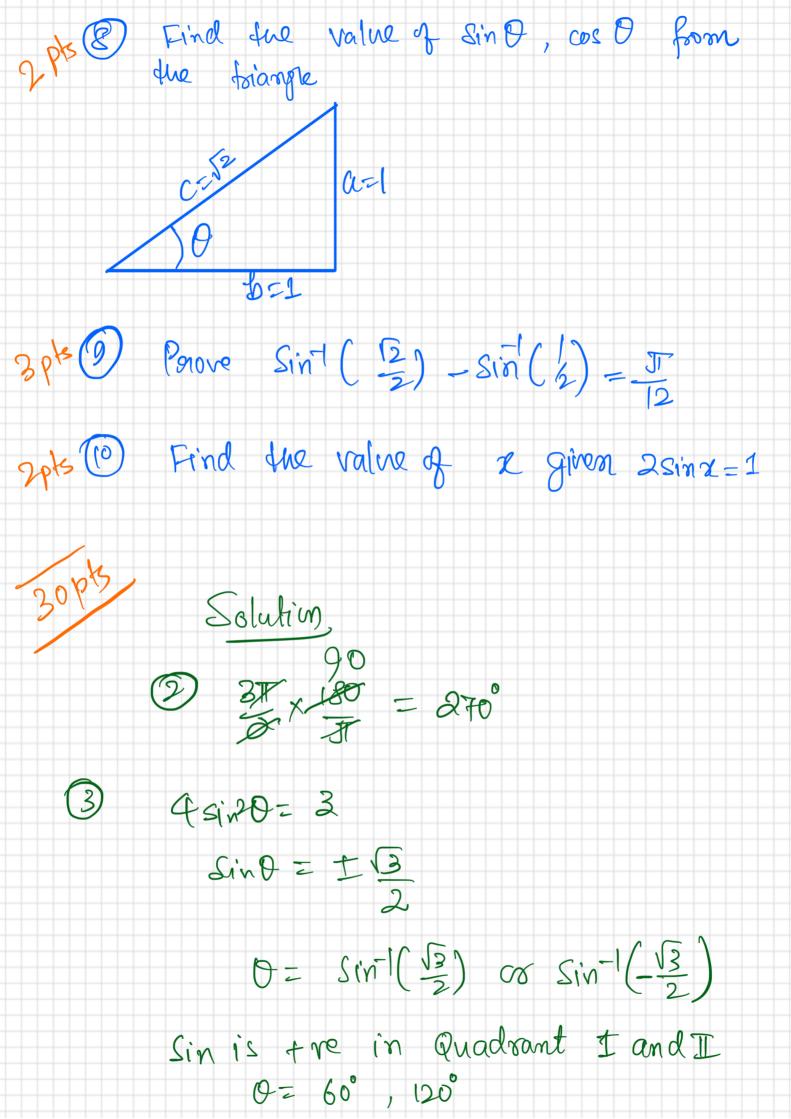
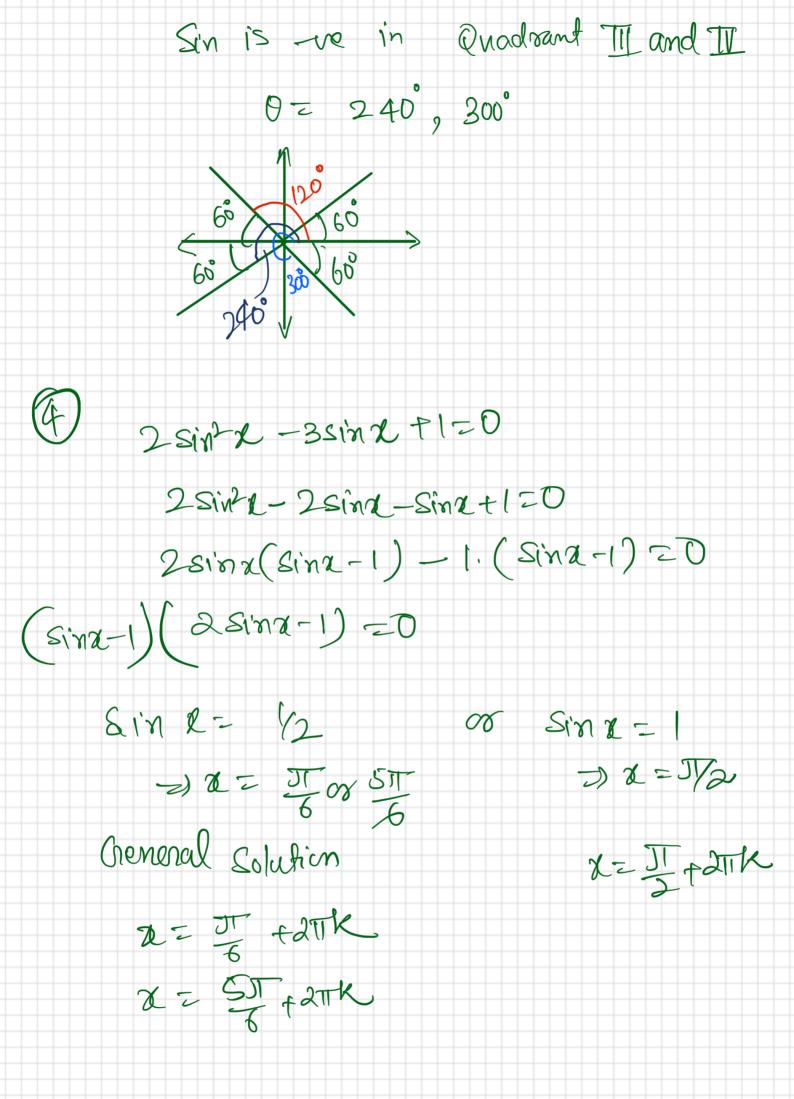
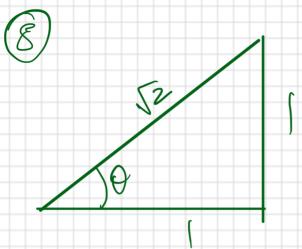
	Mathematical	Preliminaou	ies: Isugor	sugo no metoy,	
	Donaw a ci	orcle and	mark of,	<u>r</u> , 3	
49 ¹⁴ 5	and Ji. An E				
	37/	51/4			
-		TT (6			
5	Convent 2TT	malina int	dazeo		
r hos	Convent 311				
phs (3)	Find the value	re of D	: 4sin20-	320	
p/s(f)	Frind the value	2 of z: 2	sin2x -3six	12+120	
p/3(5)	P910/e: (1-	Sin24) (1-	f +and (t)) =	1	
5 pls (b)) Penove SI	'n³lt) + cos³lt Sin lt) + cosl	1 = 1-sir	Ct cos (t)	
2015 F	What is the $4nD = \frac{4}{3}$	2 value of s	in D and cos	0 give	
		•			

CPE381 Classworko2





 $(5) \quad 1-\sin^2(E) = \cos^2(E)$ (1-Sin2(4)) (1+ tam2(4)) = cos2(4) + cos4(4) tax(4) = asut) + 62. 12 = cos2(f)+ Sin2(f) $a^{3}+b^{3}$ = $(a+b)(a^{2}-ab)$ + b^{2} Sin3les + cos3les Sinly costy = Sinlty + costEr) (Sin2lty - Sinlthcosth) + cosum) (Sin(4 tos(+)) Sin2 Lts + cos2(t) - sin(t) coslty 1- sin (t) costt) tan 0 = 4 = P N= V37+42 = V9+16 = 5 C050 = 3 Sind = 4



$$Sin^{-1}(\sqrt{2}) - Sin^{-1}(\frac{1}{2}) = \frac{JT}{4} - \frac{JT}{6}$$

$$= \frac{3\pi - 2\pi}{12} = \frac{JT}{72}$$

$$Z = \frac{JT}{6} \cos \frac{ST}{6}$$