me:		_ Subject: Mathematics	Class: 10 th	Time: 80 minutes	Total Marks:	
Chapter No.07		MJDexpert.com		Obtained marks		
Note:	Please atter of Ques	npt any 10 short question tion 3. Cutting and remo	ns from Ques val of any cor	tion 2. Also, attem ntent is strictly pro	pt both parts hibited.	
Q#1		Circle the correct option			1×6	=
1. The uni	on of two non	-collinear rays, which have co	mmon end poin	t is called		
a) A degree		b) A radian	c) A	n Angle	d) A minut	e
2. $20^{\circ} =$				200/	1) 2(00/	
a) 360' 3. ¹ cosec	45° =	b) 630'	c) 1	.200'	d) 3600'	
a) $\frac{1}{2}$	-	b) $\frac{1}{\sqrt{2}}$	c) \	/2	d) $\frac{\sqrt{3}}{\sqrt{3}}$	
$\frac{2\sqrt{2}}{4} \frac{1}{1+\sin\theta} = \frac{1}{1+\sin\theta}$	$-\frac{1}{1-\sin^{2}}$	√2	-, ,		2	
$\frac{1+\sin\theta}{2\sec^2\theta}$	1-3110	h) $2\cos^2\theta$	c) s	ec ² A	d) None	
6. The sys	tem of measu	re in which the angle is measu	red in radians is	s called	d) Circular	
0#2		Attempt all t	he short aud	stions	System	- 1
i. How ma	any minutes a	re there in two right angles?	iic siici t qu		ZAG	
ii. What is	the Sexagesir	nal system of measurement o	f angles?			
iii. Define	radian	the second				
iv. Express	the angle 31	5.18° into DMS form.	C. C.	om		
v. Express	the angle into	o radian 225° .		V		
vi. Provet	hat Sin0+Cos0	$=$ $\frac{\cos^2\theta}{\cos^2\theta}$				
	$tan^2\theta-1$	Sinθ-Cosθ				
vii. Conver	$\frac{\pi}{4}$ radians into	o degree measure.				
viii. Find r v	vhen <i>l</i> = 56 <i>c1</i>	$n \text{ and } \theta = 45^{\circ}.$				
				•	40	=6
Q#3		Write detailed answe	r of the follo	wing questions	4× ∠ =	Ľ

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