MATH 19501 Quiz 20 - Winter 25

Name:	EMPLID:	
and indicate the final answer	nust show all of your work as neatly and clearly as possible in the provided region for each non-graph question. For all ketch your graph on the grid provided.	
1. (8 points) Find the exact v	ralue of each expression.	
(a) (4 points) $\sin 8^{\circ} \cos 22^{\circ} + \cos 8^{\circ} \sin 22^{\circ}$ Write your answer in the box below:		
(b) (4 points) cos 15° Write yo	our answer in the box below:	
2. (4 points) Find $\cos 2x$, if si	$n r = \frac{5}{r} r$ in Quadrant I	
2. (1 points) 1 ma cos 2a, n si		
Write your answer in the box below:		

3. (4 points) Solve the trigono interval $0 \le \theta \le 2\pi$.	ometric equation $\sqrt{2}\cos\theta - 1$	$1 = 0$, for all values of θ on the
Write your answer in the box	below:	
4. (4 points) Find an equation the point (4,7).	a of the circle that has Cent	er: $(-1,5)$ and passes through
Write your answer in the box	below:	
Write your answer in the box	below:	