Pre-Calculus Worksheet
Section 4.1 Continued

I. Find the degree measure of the angle for each rotation. Sketch each angle in standard position.

1. I ma me degree measure of me ungle for each	n rotation. Sketch each angle in standard position.
1. $\frac{3}{4}$ rotation clockwise	2. $\frac{10}{9}$ rotation counterclockwise
3. $\frac{8}{3}$ rotation counterclockwise	4. $\frac{3}{5}$ rotation clockwise

II. Find the quadrant or axis on which the terminal side of each angle lies.

11. I the the guadrant of axis on which the fertilinar side of each angle hes.				
5162°	6. 450°	7. 362°7'10"		

III. Rewrite each angle in radian measure in fractional π form. No decimals. SHOW YOUR WORK.

8. 315°	9. 120°	10. -20°	11240°

IV. Rewrite each angle in degree measure. SHOW YOUR WORK.

12. $\frac{3\pi}{2}$	13. $-\frac{7\pi}{6}$	14. $\frac{7\pi}{3}$	15. $-\frac{11\pi}{30}$

V. Rewrite each angle as requested. Round to three decimal places. SHOW YOUR WORK.				
16. 115° in radians	17. $\frac{\pi}{7}$ in degrees	18. -48.27° in radians	192 in degrees	
VT Convent each angle	magging to decimal degree	form SHOW VOLID WOD	v	
VI. Convert each angle 20. 85°18'30"	measure to decimal degree	21. 330°25"	K.	
VII. Convert each angle	: measure to $D^{\circ}M$ ' S " $$ form	a. SHOW YOUR WORK.		
22345.12°		23. 0.45°		
VIII. Find two cotermine THE SAME UNIT.	al angles, one positive and or		measurement. MAINTAIN	
24. 460°		25. $-\frac{4\pi}{7}$		