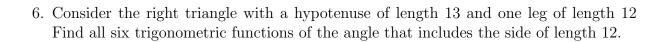
Kerry Ojakian's MTH 30 Class Class Assignment #4 Name:

Instructions: Work on your own or with a partner. For each exercise, you must neatly write your answer in the answer box (if there is one!). Show your work next to each exercise in the space provided. You must show work to get full credit!

1.	Answer:	
	(a) Conve	rt 45° to radians.
	(b) Conve	rt 0° to radians.
2.	Answer:	
	(a) Convert $5\pi/6$ radians to degrees.	
	(b) Conve	rt 2π radians to degrees.
3.		ere is a circle with radius 6 has a central angle of 180°. How long is the arc e that corresponds to this central angle?
4.	Answer:	
		circle of radius 4 has a central angle which subtends an arc of length 6π . easure of the central angle.
5.	Answer:	
	In a circle,	suppose a central angle of 60 degrees subtends an arc of length 2π . Find

the *circumference* of the circle.



7. Evaluate sin and cos at the following angles: $3\pi/2$, $5\pi/4$, $-\pi/3$.

8. Evaluate all six trigonometric functions at the following angles: $\pi/6,~\pi/4,~\pi/3.$