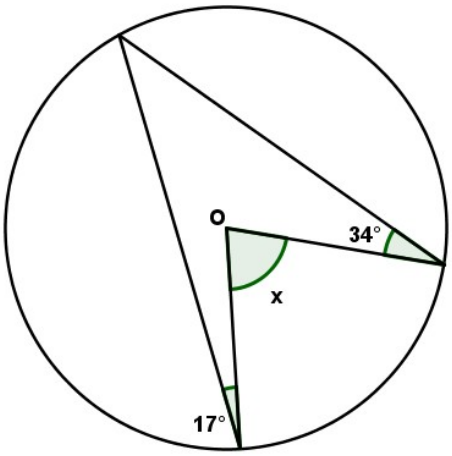
Algebra/Geometry Review Week 1

Name _____
Due _____
Tchr_____ Blk_____

Welcome to trigonometry. Expect an Alg/Geo review sheet each week. The purpose of these assignments is to review topics from Alg II and Geometry, especially topics which may be used in our work in this class. Typically you'll receive a handout such as this the first time we meet during a particular week and it will be due the first time we meet the following week.

1. Add these fractions, remembering to find a common denominator. $\frac{x}{x+3} + \frac{2}{x-7}$

2. In the diagram at the right suppose point O is the center of the circle. Find the value of x.



3. Solve for x. $\log x + \log(x-9) = \log 22$

4. Suppose a point is selected in the x,y plane so that $x \neq 0$ *and* $y \neq 0$. Analyze in which quadrant the point would be found in each of the following cases:

x	y	Quad
+	+	
+	-	
-	+	
-	-	

5. Find the angle between the hands of a clock when the time is 2:40.

6. Give the converse of the conditional statement: "If I'm in Trigonometry class then there is a smile on my face".