Florida International University          Spring 2018
Trigonometry-MAC1114          Due Date: 1/12/2018
Pre-Class Assignment 1

Name: _____

## SHOW ALL YOUR WORK FOR EACH PROBLEM TO GET FULL CREDIT.
## PLEASE BE NEAT.

**Direction:** Read through sections 5.1 and 5.2 in your book and answer the following questions.

1. Name the angle as acute, right, obtuse, or straight angle (Section 5.1):

   a. $175^o$
   b. $75^o$
   c. $90^o$
   d. $180^o$

2. Convert the measure of each angle accordingly to degrees or radians. (Section 5.1)

   a. $\dfrac{4\pi}{3}$                      b. $700^o$

3. Write the definition of coterminal angle? Provide an example of this concept. (Section 5.1)

4. If $f(x) = 2x - 3$, find $f(3)$ and $f(-2)$

5.    Write the definition of **_six trigonometric functions_** of an **_acute angle_**?  Use a right tringle to support your work. (Section 5.2 )

6.    Given that $\cos\theta = \dfrac{1}{3}$, use the definition from Problem 5 to find the exact value of $\sec\theta$.  (Section 5.2)