

**Math 215: Introduction to Advanced Mathematics**  
Problem Set 1

**Due Tuesday Jan 23**

Do pg. 53: 2,5

Write a careful complete solution of the following typical problem from a trigonometry text. Be sure you are clear about what  $K$  refers to.

Show  $\sin A = \sin B$  if and only if  $A = B + 360K$  or  $A + B = 180 + 360K$ .