## Problem ID: 5

## Problem Name: (Im)possible Triangles

## Description: Given three lengths such as {2cm, 3cm, 4cm} or {2cm, 2cm, 5cm}, can a triangle be drawn with the three sides having those lengths? Propose a solution that can take a set of three measurements and return a Yes/No decision stating whether a triangle can exist with sides of those lengths.

## UB Number:

## Name:

<ADD YOUR **ONE PAGE** ANALYSIS AND PROPOSED SOLUTION HERE AND REMOVE THIS TEXT.>

<ADD YOUR FLOW CHART OR PSEUDOCODE HERE AND REMOVE THIS TEXT. NO ADDITIONAL TEXT SHOULD BE ON THIS PAGE EXCEPT FOR TEXT IN A FLOWCHART OR PSEUDOCODE ALGORITHM>