

Homework Week 2 – Problem 1

Develop a program to solve out a triangle if the sides a , b , c are given.

- Inputs: a, b, c - float.
- Output:
 - the angles A, B, C ,
 - the perimeter per ,
 - the area $area$
- How to do it:
 - Read the variables a, b, c .
 - Calculate and print the perimeter per .
 - Calculate the area ar using Heron e.g. $area = \sqrt{p(p-a)(p-b)(p-c)}$, where $p = (a+b+c)/2$
 - Calculate the angles A, B, C using the cosine rule e.g. $\cos(A) = (b^2 + c^2 - a^2) / (2bc)$... the angle is in radians so you have to convert to degrees.