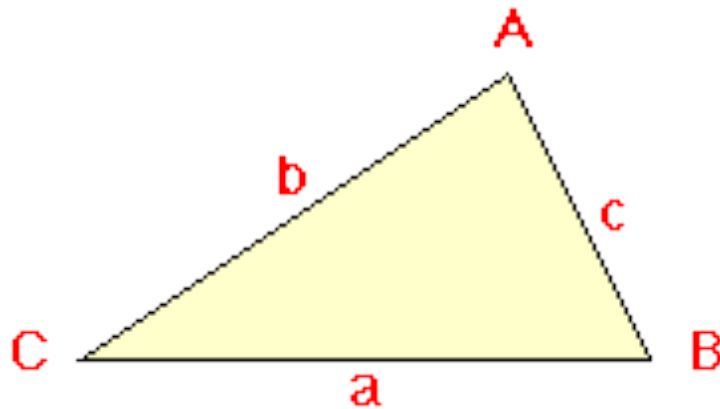# Python Programming @ The department of Computer Science

Cosine Formula

Requirements

Produce a computer program, written in the Python programming language, which makes use of the **cosine formula** to calculate the remaining dimensions of a triangle given the length of two sides and the magnitude of the *included* angle. Fore example, referring to the Figure, if we were given sides b and c and the included angle A, the program should return the length of side a and the magnitude of angles B and C. The cosine formula may be expressed in two ways (again with reference to the Figure):

Assume that the user will not input an "impossible" triangle.

Frans Coenen