

Develop a Java program named **TriangleSolver** which permits a user to input the minimum number of angles and sides to solve any Euclidian (flat plane) right OR oblique triangle for the following parameters:

- ALL missing angles and side lengths.
- Perimeter
- Area
- Centroid (Bonus)

Remember: an oblique triangle is a triangle with no right angle. An oblique triangle has either three acute angles, or one obtuse angle and two acute angles. In any case, as in any triangle, the sum of all three angles is equal to 180 degrees. Refer to attached documentation for a review of triangle basics.

Triangle-Solver must consists of two Classes named:

- **TriangleApp** (the main) where the user inputs the triangle information.
- **Triangle** consisting of the methods to solve for the various cases / inputs provided by the user.

Submit an MS Word document as an email attachment to mheinen_1@msn.com containing the complete code for each class and the input/output demonstrating the successful operation of the program in in completing the requirements. Include a FLOWCHART in your Word.docx submission. Submission date: midnight 3-5-2018.

Ensure the input / output is well formatted and includes input / output for each the following triangle data examples:

- **AAS, ASA, SSA, SSS, and a right triangle (one angle and one side).**
- **Use comments in your code to document your logic.**
- **Error checking NOT REQUIRED.**

Present the operation of your Triangle-Solver project to either a CCHS Geometry or Trigonometry class.