**OSISATECH GIRLS SECONDARY SCHOOL, INDEPENDENCE LAYOUT ENUGU**

**FIRST ASSESSMENT ASSIGNMENT**

**CLASS: SS I SUBJECT: MATHEMATICS**

***INSTRUCTION:*** **Submit within 7 days to** [longiclinton@yahoo.com](mailto:longiclinton@yahoo.com) with your name, class and contact.

1. In a right-angled triangle, one of the acute angles is 20o greater than the other. Find the angles of the triangle.
2. In the figure below, ABC is an isosceles triangle with |AB| = |AC|. BC is produced to D such that |AC| = |CD|. If ABC = 2xo, BAC = xo and ADC = yo, prove that x = y



1. An isosceles triangle is such that the vertical angle is four times the size of the base angle. What is the size of the base angle?
2. In the figure below, ABCDE is such that ABCD is a parallelogram and ABDE is a square. |MD| = 3cm and |AD| = 8.5cm. Calculate the perimeter of ABCDE.



1. Consider the diagram below, AF is divided so that |AB| = |BC| = |CD| = |DE| = |EF| and FX || DY. If |AY| = 7.5cm, what is |YX|?



***FEEL FREE TO CONTACT ME WHEN NECESSARY! #StaySafe***