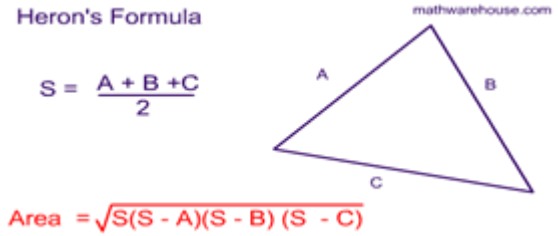
Past Exam Paper Question

Use ***Heron's Formula*** to calculate the area of a triangle given the length of the 3 sides
The diagram below illustrates the general formula where ***S*** represents the semi-perimeter of the triangle.
(S is found by summing the 3 sides and dividing by 2).
The area can then be calculated by finding the square root of s * (s – a) * (s- b) * (s-c) as shown below.



Write a method that will calculate and return the area of a triangle using *Heron's Formula*. The method should accept the length of the three sides as input. Use the method from the Math class to calculate the square root. (`Math.sqrt(double d)`)