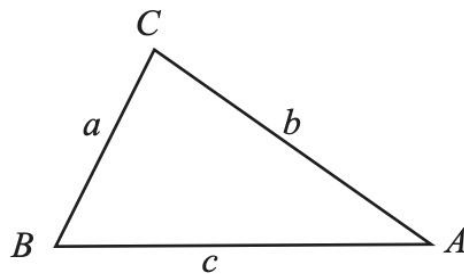


Question 11**(3 marks)**

The area of a triangle can be found by the formula: $Area = \frac{ab \sin C}{2}$.



Using the incremental formula, determine the approximate change in area of an equilateral triangle, with each side of 10 cm, when each side increases by 0.1 cm.