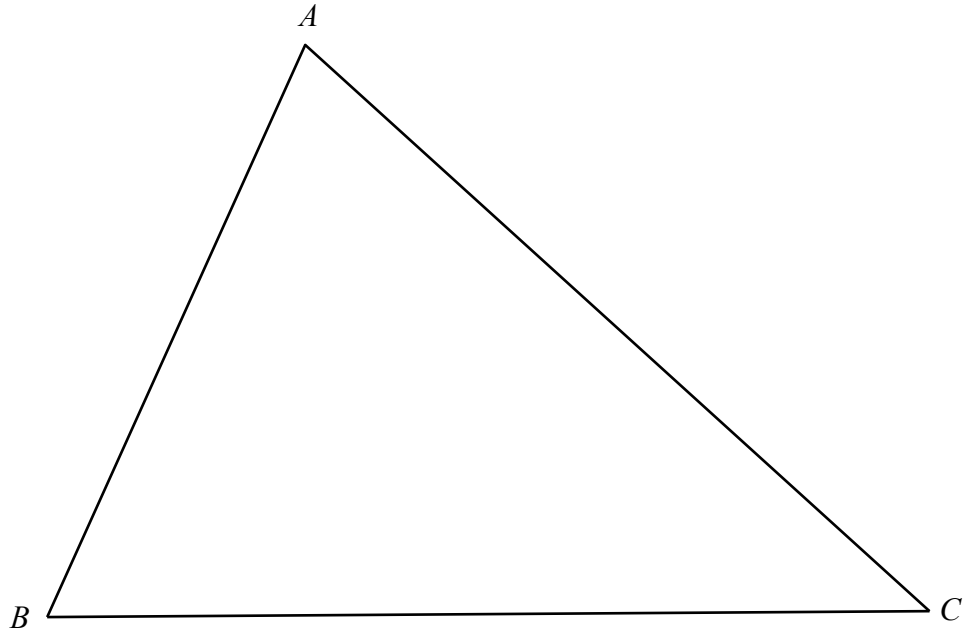


Question 6

(25 marks)

- (a) Construct the centroid of the triangle ABC below. Show all construction lines.
(Where measurement is used, show all relevant measurements and calculations clearly.)



- (b) Prove that, if three parallel lines cut off equal segments on some transversal line, then they will cut off equal segments on any other transversal line.

Diagram:

Given:

To Prove:

Construction:

Proof:

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