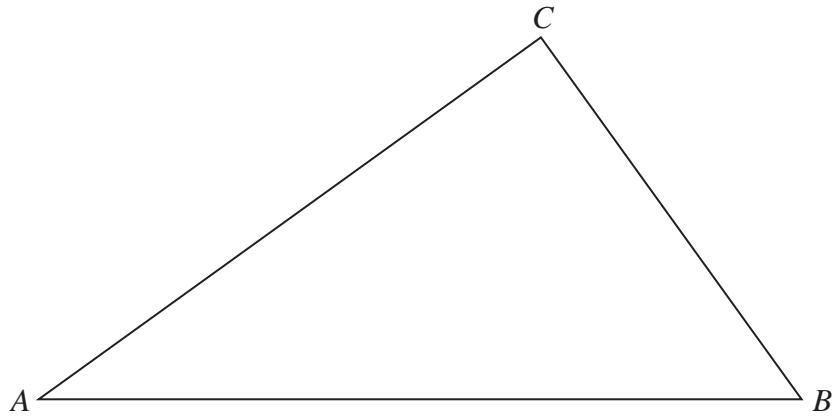


DO NOT WRITE IN THIS AREA

27



The diagram shows the triangle ABC .

(a) **Showing all of your construction lines**, construct

- the perpendicular bisector of AC ,
- the locus of all points inside the triangle that are equidistant from AC and AB .

(4)

The region R consists of all the points inside the triangle that are closer to AB than to AC , closer to C than to A and more than 5 cm from B .

(b) Show, by shading, the region R .

Label the region R .

(2)

(Total for Question 27 is 6 marks)



P 4 8 4 7 5 A 0 2 1 2 4