

5 In triangle  $ABC$ ,  $AB = 10$  cm,  $BC = 7$  cm and angle  $BAC = 40^\circ$

(a) Find, in degrees to the nearest  $0.1^\circ$ , the two possible sizes of angle  $ACB$ .

(4)

(b) Find, in cm to 3 significant figures, the difference between the two possible lengths of  $AC$ .

(4)

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**Question 5 continued**

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**(Total for Question 5 is 8 marks)**

