

**Answer all TEN questions.**

**Write your answers in the spaces provided.**

**You must write down all stages in your working.**

1

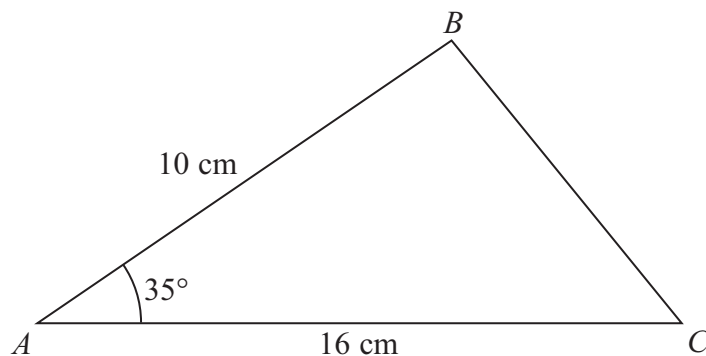


Diagram **NOT**  
accurately drawn

### Figure 1

In triangle  $ABC$ ,  $AB = 10$  cm,  $AC = 16$  cm and  $\angle BAC = 35^\circ$ , as shown in Figure 1.

- (a) Find, to 3 significant figures, the area of the triangle  $ABC$ .

(2)

- (b) Find, in degrees to the nearest  $0.1^\circ$ , the size of the angle  $ABC$ .

(5)



[illegible]

**(Total for Question 1 is 7 marks)**

