

6

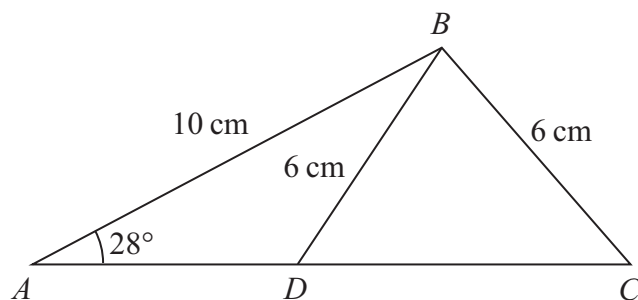


Diagram **NOT**
accurately drawn

Figure 1

Figure 1 shows triangle ABC with $AB = 10$ cm, $BC = 6$ cm and $\angle BAC = 28^\circ$. The point D lies on AC such that $BD = 6$ cm.

- (a) Find, to the nearest 0.1° , the size of $\angle DBC$. (4)
- (b) Find, to 3 significant figures, the length of AD . (3)
- (c) Find, to 3 significant figures, the area of triangle ABC . (3)



Question 6 continued

(Total for Question 6 is 10 marks)

