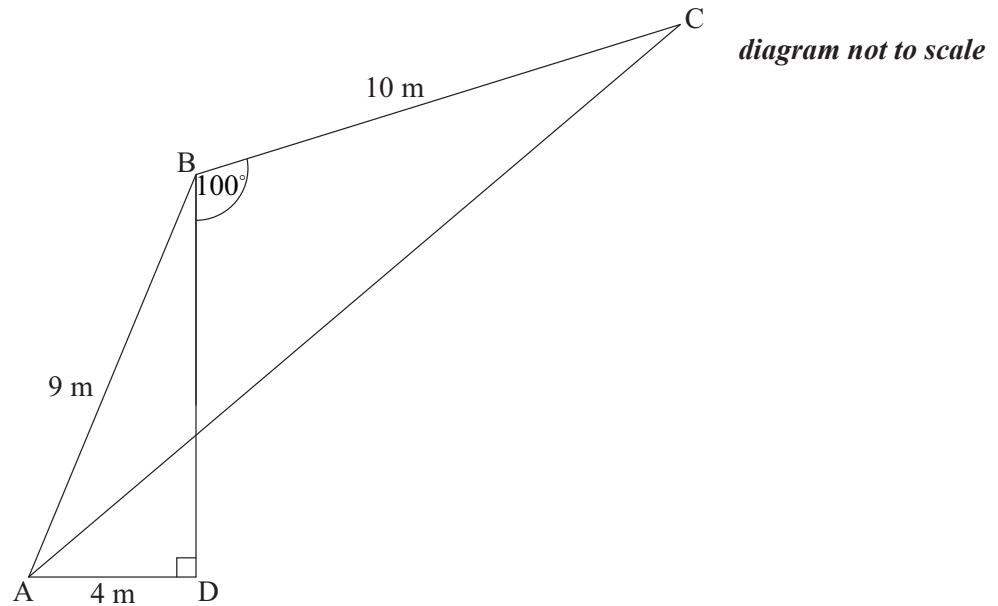


10. In the diagram, $AD = 4 \text{ m}$, $AB = 9 \text{ m}$, $BC = 10 \text{ m}$, $\hat{BDA} = 90^\circ$ and $\hat{DBC} = 100^\circ$.



- (a) Calculate the size of \hat{ABC} . *[3 marks]*
- (b) Calculate the length of AC . *[3 marks]*

Working:

Answers:

- (a)
- (b)