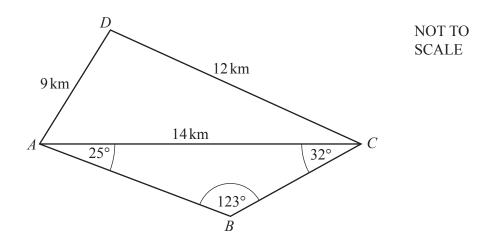
7



(a) Calculate angle ACD.

(b) Show that $BC = 7.05 \,\mathrm{km}$, correct to 2 decimal places.

[3]

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| (c) | Calculate the shortest distance from B to AC . | |
|-----|--|-------------------|
| (d) | Calculate the length of the straight line <i>BD</i> . | km [3] |
| (e) | C is due east of A . Find the bearing of D from C . | <i>BD</i> =km [4] |
| | | [2] |