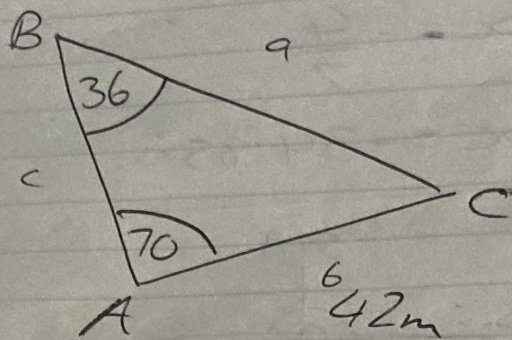


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④



$$i) 180 - 70 - 36 = 74^\circ$$

$$\therefore C = 74^\circ$$

$$ii) \frac{c}{\sin 74} = \frac{42}{\sin 36}$$

$$c = 68.69m$$

$$\therefore AB = 68.69m$$

$$iii) \frac{a}{\sin 70} = \frac{42}{\sin 36}$$

$$a = 67.15m$$

$$\therefore BC = 67.15m$$