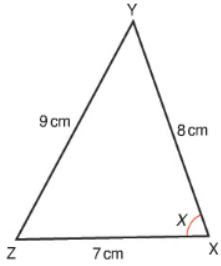


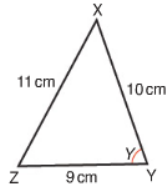
Exercise 87

Write your answers correct to 3 significant figures.

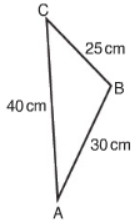
7 Find X .



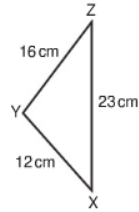
8 Find Y .



9 Find $\angle ABC$.



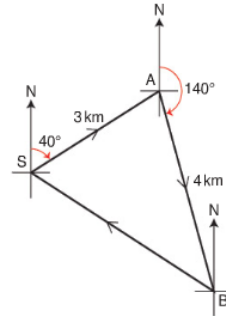
10 Find $\angle XYZ$.



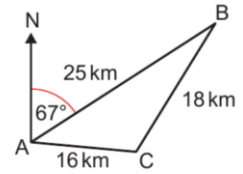
Exercise 87*

Write your answers correct to 3 significant figures.

9 From S, a yacht sails on a bearing of 040° . After 3 km, at buoy A, it sails on a bearing of 140° . After another 4 km, at buoy B, it heads back to the start S. Calculate the total length of the course.



Reasoning The diagram shows the positions of three towns, A, B and C. Calculate the bearing of C from A.



EXERCISE 87

9 $\angle ABC = 92.9^\circ$

10 $\angle XYZ = 110^\circ$

7 $X = 73.4^\circ$

8 $Y = 70.5^\circ$

EXERCISE 87*

9 11.6 km

Reasoning question: 113°