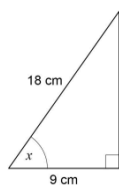


Q1. (2020)

5 Use trigonometry to work out the size of angle x .

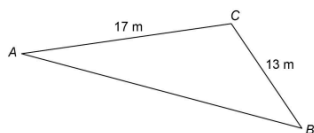
Not drawn accurately

[2 marks]

Answer _____ degrees

Q2. (2021)

18 (a) Here is a triangle.



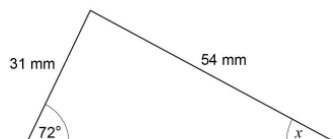
Not drawn accurately

Give a reason why the length of side AB **cannot** be 35 m

[1 mark]

Q3. (2021)

18 (b) Here is a different triangle.



Not drawn accurately

Leah tries to use the sine rule to work out the size of angle x .
Here are the first two lines of her working.

$$\frac{x}{\sin 31} = \frac{54}{\sin 72}$$

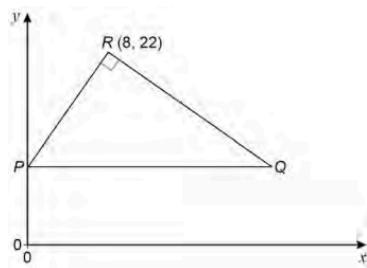
$$x = \frac{54 \sin 31}{\sin 72}$$

What error has she made in this working?

[1 mark]

Q4. (2023)

24 Points P , Q and R (8, 22) form a triangle.



Not drawn
accurately

PQ is a horizontal line, with P on the y -axis.

Angle PRQ is a right angle.

The gradient of PR is 2

Work out the coordinates of Q .

[5 marks]

Answer (_____ , _____)