2 Here is a right-angled triangle.

30 cm

Diagram **NOT** accurately drawn

52 cm

h cm

Calculate the value of h.
Give your answer correct to 3 significant figures.

h = ...

(Total for Question 2 is 3 marks)

3 The diagram shows triangle *PQR*

Diagram **NOT** accurately drawn

Work out the value of *x*
Give your answer correct to one decimal place.

x = ...
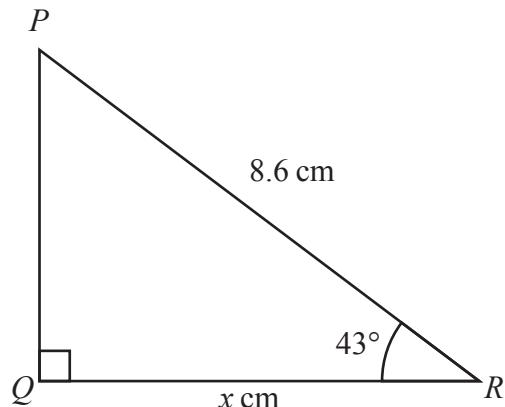
**(Total for Question 3 is 3 marks)**

3 The diagram shows triangle *ABC*
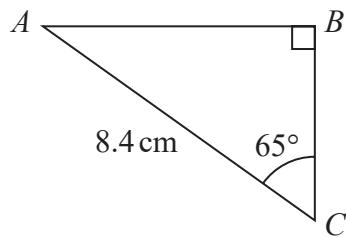
Diagram **NOT** accurately drawn

Work out the length of the side *AB*
Give your answer correct to 3 significant figures.

.... cm

**(Total for Question 3 is 3 marks)**

P69196A0428

5 The diagram shows triangle *ABC*

Diagram **NOT** accurately drawn

Work out the value of *x*
Give your answer correct to one decimal place.

$x =$ ....
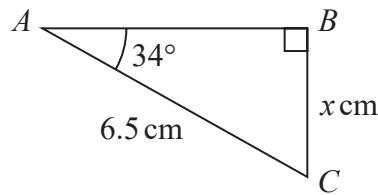
(Total for Question 5 is 3 marks)

6 The diagram shows triangle *PQR*.
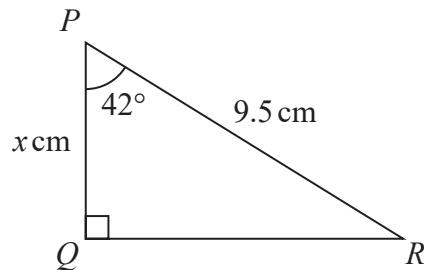
Diagram **NOT** accurately drawn

Work out the value of *x*
Give your answer correct to one decimal place.

x = ...

(Total for Question 6 is 3 marks)

P 6 8 7 9 8 R A 0 7 2 4

7 Markus makes a steel framework.
The framework is in the shape of the right-angled triangle *ABC* shown in the diagram.
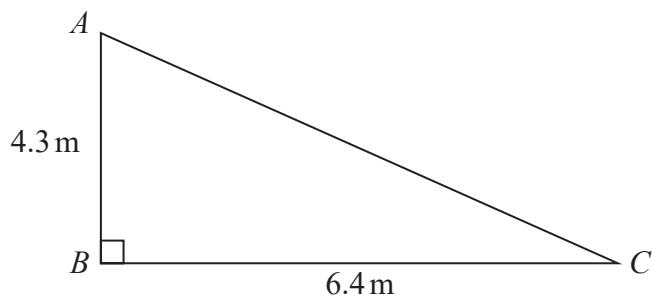
Diagram **NOT** accurately drawn

The steel that Markus uses costs \$22 per metre.
The steel can **only** be bought in a length that is a whole number of metres.

Work out the total cost of the steel that Markus buys in order to make the framework.

\$...

(Total for Question 7 is 4 marks)

7 The diagram shows a right-angled triangle.

Diagram **NOT** accurately drawn

3.4 cm

$x°$

4.7 cm
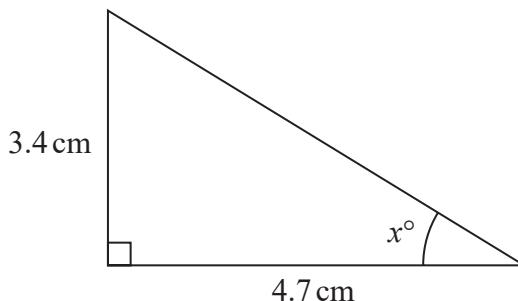
Calculate the value of x.
Give your answer correct to one decimal place.

$x =$ ....

(Total for Question 7 is 3 marks)

7 Here is a right-angled triangle.
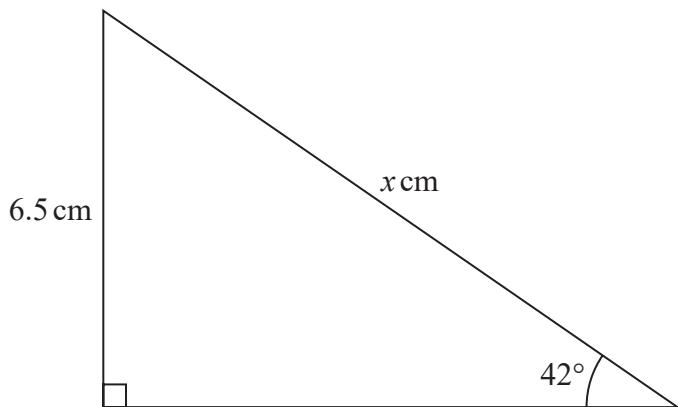
Diagram **NOT** accurately drawn

x cm

6.5 cm

42°

Work out the value of x.
Give your answer correct to one decimal place.

$x =$ ....

(Total for Question 7 is 3 marks)

8 From point A, Stanley walks 200 m due east to point B.
From B, he then walks 160 m due south to point C.

Work out the length of AC.
Give your answer correct to 3 significant figures.

....metres

(Total for Question 8 is 3 marks)

8

Diagram **NOT** accurately drawn

52°

12.6 cm

x cm
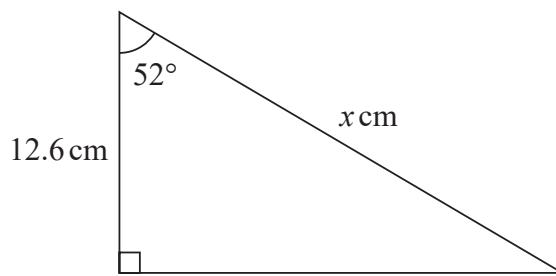
Work out the value of x.
Give your answer correct to 3 significant figures.

$x =$ ....

(Total for Question 8 is 3 marks)