Questions

Q1.

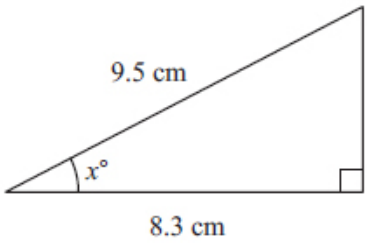

Diagram **NOT** accurately drawn

Work out the value of x.
Give your answer correct to 1 decimal place.

x = ...

(Total for question = 3 marks)

Q2.

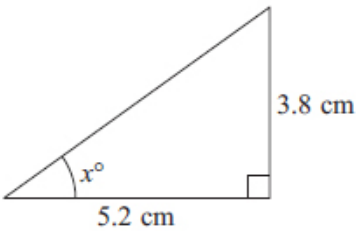

Diagram **NOT** accurately drawn

Calculate the value of x.
Give your answer correct to 1 decimal place.

x = ...

(Total for question = 3 marks)

Q3.

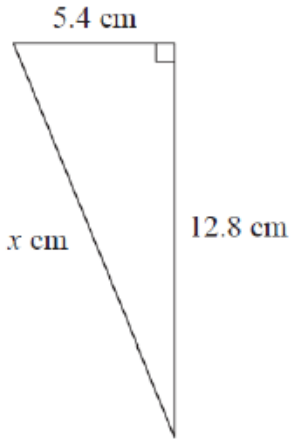

Diagram **NOT** accurately drawn

Work out the value of x.

Give your answer correct to 3 significant figures.

x = ...

(Total for question = 3 marks)

Q4.

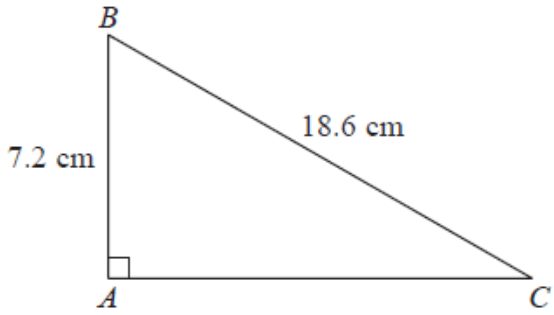

Diagram **NOT** accurately drawn

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

..... cm

(Total for Question is 3 marks)

Q5.

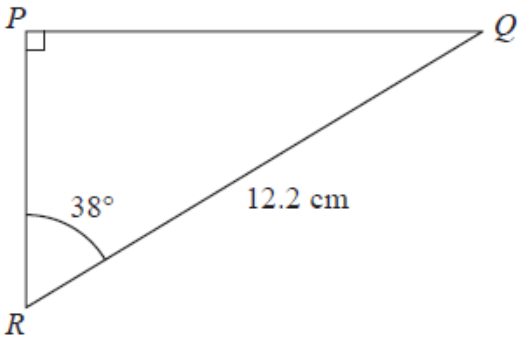

Diagram **NOT** accurately drawn

Calculate the length of *PQ*.
Give your answer correct to 3 significant figures.

..... cm

(Total for Question is 3 marks)

Q6.

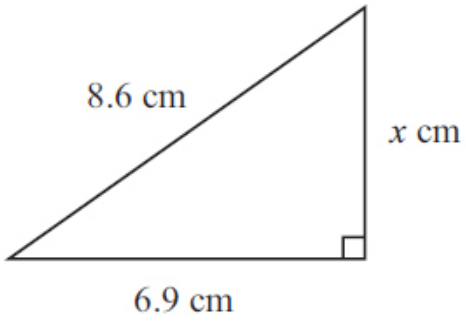

Diagram **NOT** accurately drawn

Work out the value of *x*.

Give your answer correct to 3 significant figures.

x =.....

(Total for question = 3 marks)

Q7.

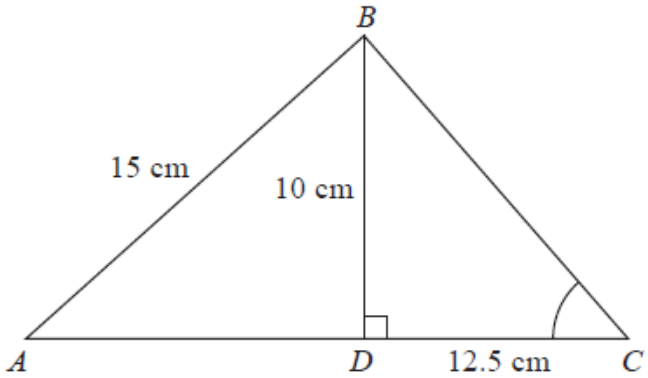

Diagram **NOT** accurately drawn

ABC is a triangle.
The point *D* lies on *AC*.
Angle *BDC* = 90°
BD = 10 cm, *AB* = 15 cm and *DC* = 12.5 cm.

(a) Calculate the length of *AD*.
Give your answer correct to 3 significant figures.

.....cm

(3)

(b) Calculate the size of angle *BCD*.
Give your answer correct to 1 decimal place.

.....°

(3)

(Total for question = 6 marks)

Q8.

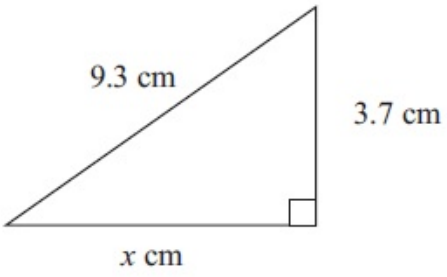

Diagram **NOT** accurately drawn

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

x = ...

(Total for question = 3 marks)

Q9.

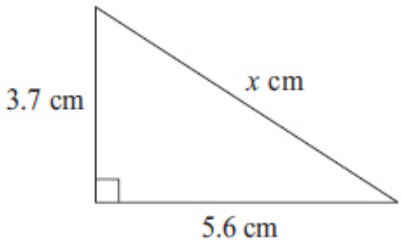

Diagram **NOT** accurately drawn

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

x = ...

(Total for question = 3 marks)

Q10.

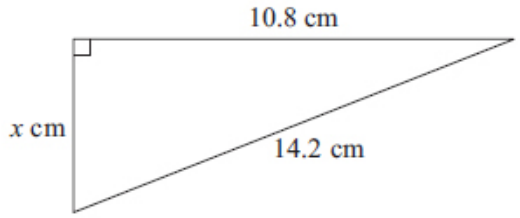

Diagram **NOT** accurately drawn

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

x = ...

(Total for question = 3 marks)

Q11.

Here is a right-angled triangle.

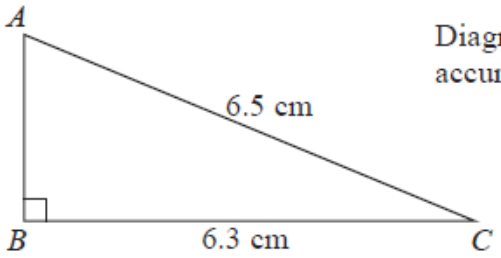

Diagram **NOT** accurately drawn

AC = 6.5 cm.

BC = 6.3 cm.

Angle *ABC* = 90°

Calculate the length of *AB*.

..... cm

(Total for question = 3 marks)

Q12.

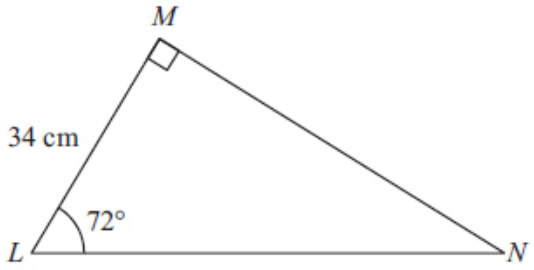

Diagram **NOT** accurately drawn

Calculate the length of *MN*.
Give your answer correct to 3 significant figures.

..... cm

(Total for question = 3 marks)

Q13.

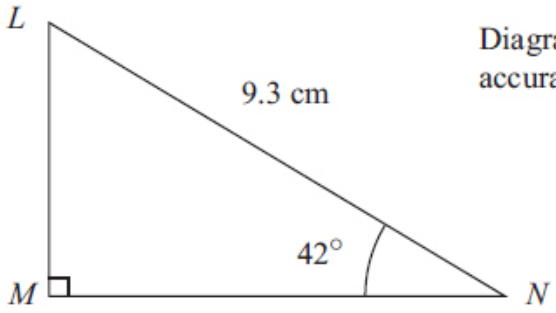

Diagram **NOT** accurately drawn

Calculate the length of *LM*.
Give your answer correct to 3 significant figures.

..... cm

(Total for question = 3 marks)

Q14.

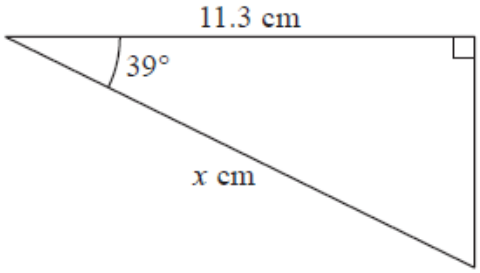

Diagram **NOT** accurately drawn

Work out the value of *x*.
Give your answer correct to 2 decimal places.

x = ...

(Total for question = 3 marks)