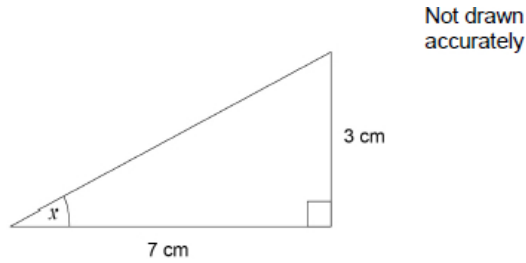


Calculator

Q1.

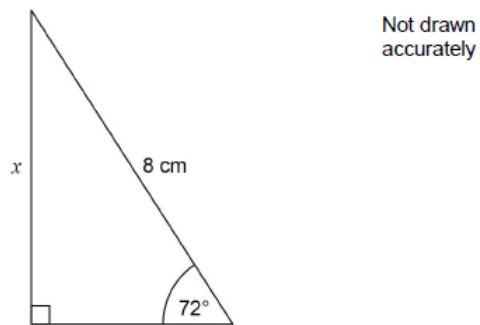
Work out the size of angle x .



Answer _____ degrees
(Total 2 marks)

Q2.

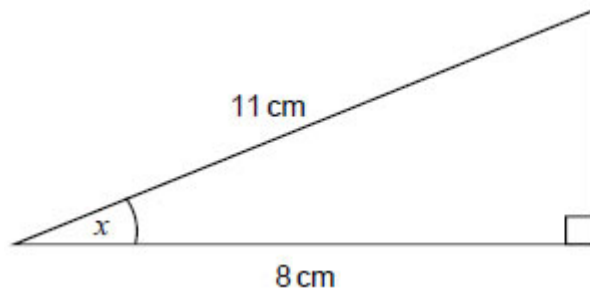
Use trigonometry to work out the length x .



Answer _____ cm
(Total 2 marks)

Q3.

- (a) Work out the size of angle x .

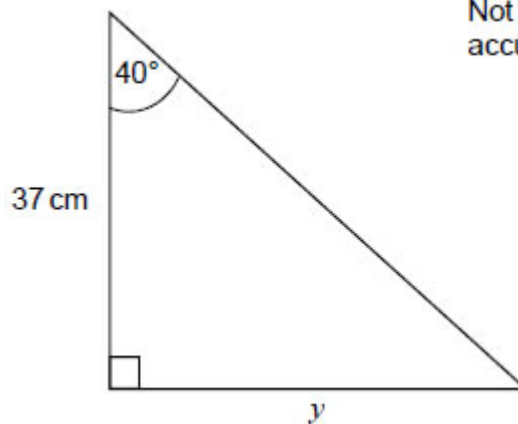


Not drawn accurately

Answer _____ degrees

(2)

- (b) Work out length y .



Not drawn accurately

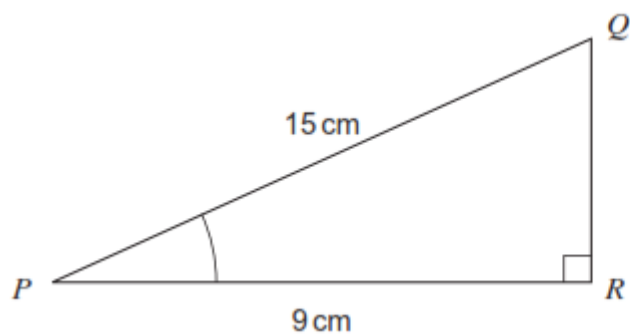
Answer _____ cm

(2)

(Total 4 marks)

Q4.

Work out the size of angle P .



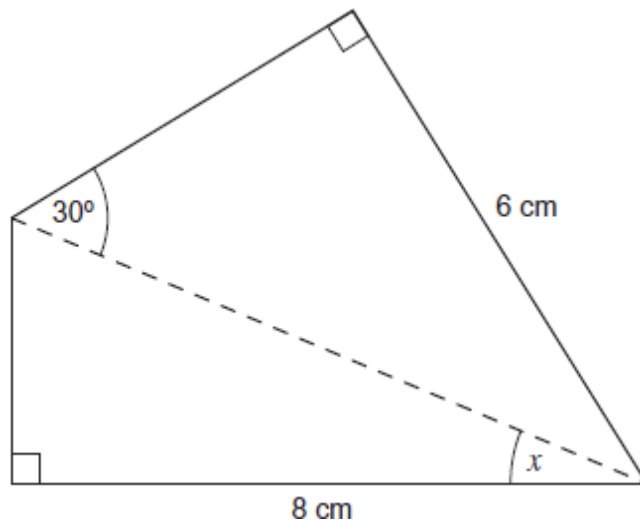
Not drawn
accurately

Answer _____ degrees
(Total 3 marks)

Q5.

The diagram shows a quadrilateral.

Not drawn accurately



Work out the size of angle x .

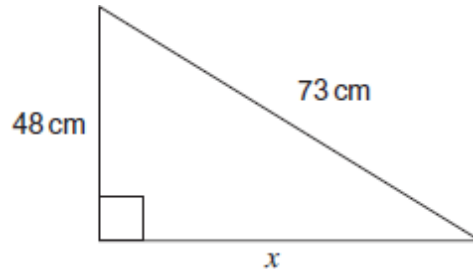
Answer _____ degrees
(Total 4 marks)

Q6.

- (a) Calculate the length x .

You **must** show your working.

Not drawn accurately



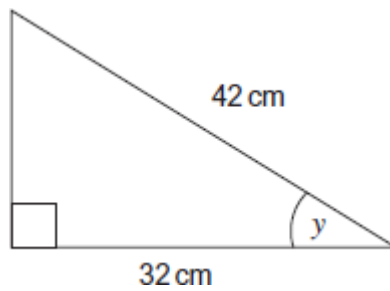
Answer _____ cm

(3)

- (b) Calculate the angle y .

You **must** show your working.

Not drawn accurately



Answer _____ degrees

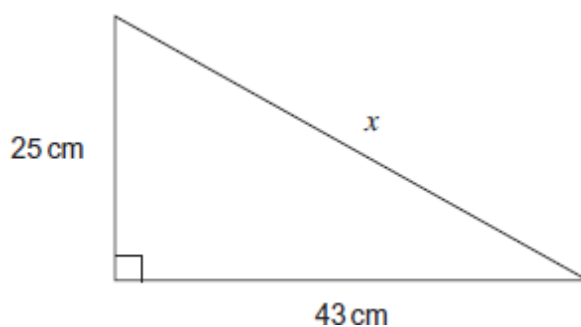
(3)

(Total 6 marks)

Q7.

- (a) Calculate the length x in the triangle.

Not drawn accurately

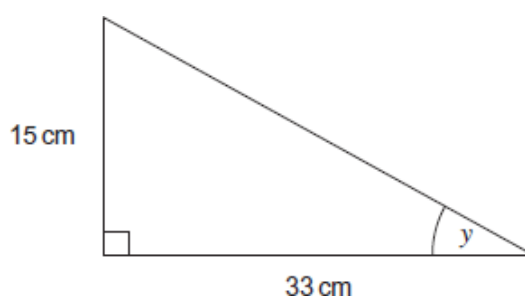


Answer _____ cm

(3)

- (b) Calculate the angle y in the triangle.

Not drawn accurately



Answer _____ degrees

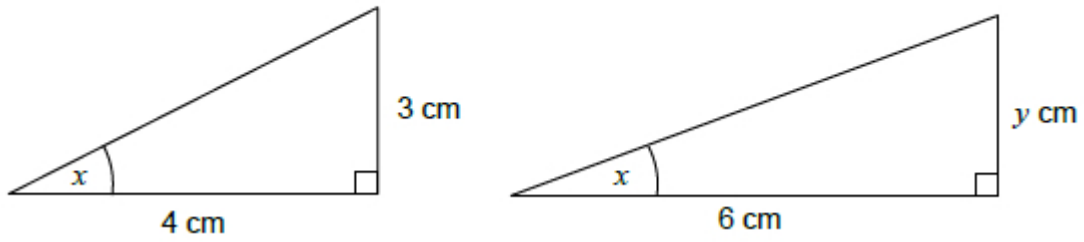
(3)

(Total 6 marks)

Q8.

These two right-angled triangles are similar.

Not drawn accurately



- (a) Write down the value of $\tan x$.
Give your answer as a fraction.

Answer _____

(1)

- (b) Work out the value of y .

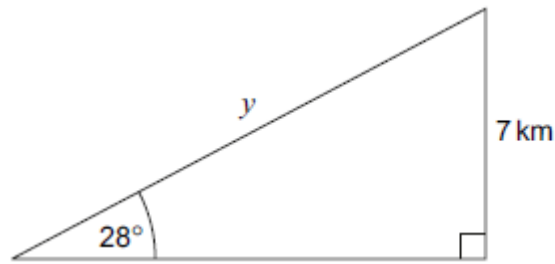
Answer _____ cm

(2)

(Total 3 marks)

Q9.

An aircraft flies y kilometres in a straight line at an angle of elevation of 28° .
The gain in height is 7 kilometres.



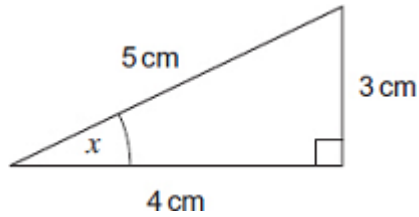
Not drawn
accurately

Work out the value of y .

$y =$ _____ km
(Total 3 marks)

Q11.

- (a) The diagram shows a right-angled triangle.



Not drawn accurately

Write down the value of $\sin x$.

Answer _____

(1)

- (b) In a different right-angled triangle, $\tan y = 0.7$

Work out the value of y .

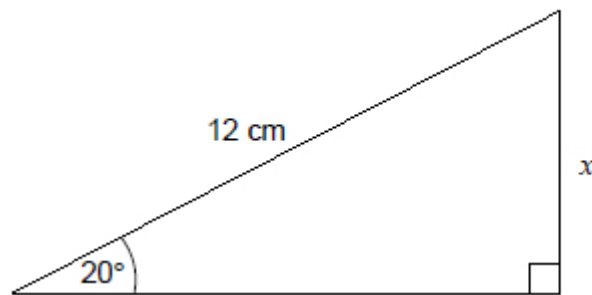
Answer _____ degrees

(1)

(Total 2 marks)

Q12.

Work out the length x .



Not drawn accurately

Answer _____ cm

(Total 2 marks)