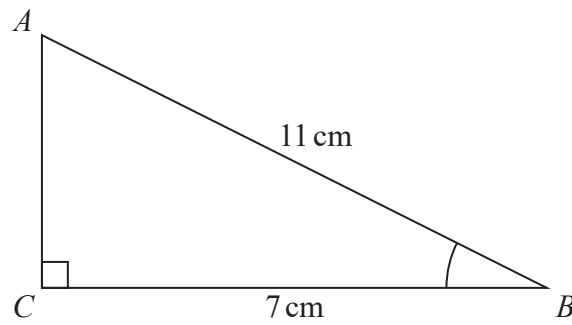


23 ABC is a right-angled triangle.



- (a) Work out the size of angle ABC .
Give your answer correct to 1 decimal place.

.....
(2)

The length of the side AB is reduced by 1 cm.

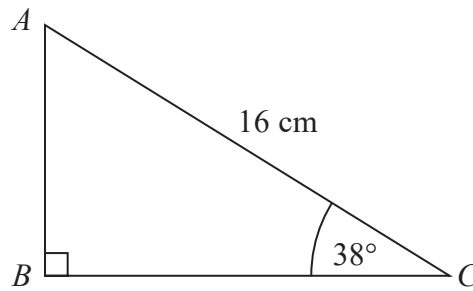
The length of the side BC is still 7 cm.
Angle ACB is still 90°

- (b) Will the value of $\cos ABC$ increase or decrease?
You must give a reason for your answer.

.....
.....
(1)

(Total for Question 1 is 3 marks)

24 ABC is a right-angled triangle.

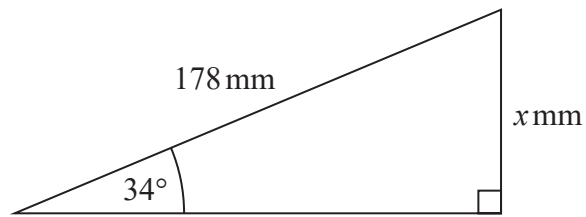


Calculate the length of AB .
Give your answer correct to 2 decimal places.

.....cm

(Total for Question 2 is 2 marks)

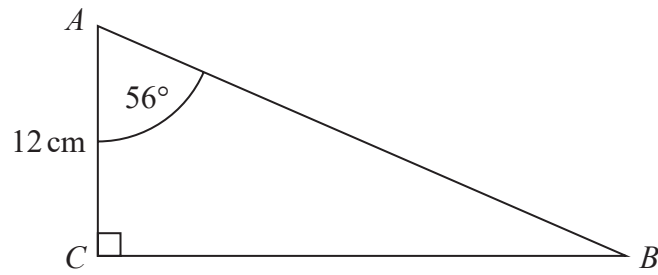
25



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

.....
(Total for Question 3 is 2 marks)

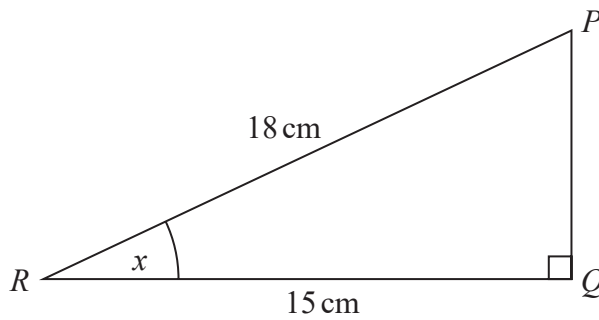
26 ABC is a right-angled triangle.



- (a) Work out the length of BC .
Give your answer correct to 1 decimal place.

..... cm
(2)

PQR is a right-angled triangle.

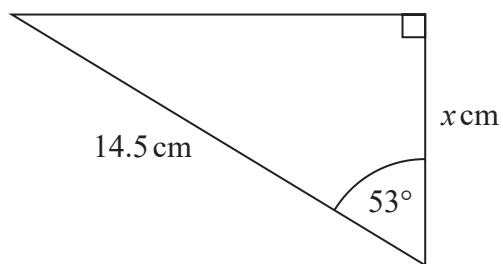


- (b) Work out the size of the angle marked x .
Give your answer correct to 1 decimal place.

.....
(2)

(Total for Question 4 is 4 marks)

22

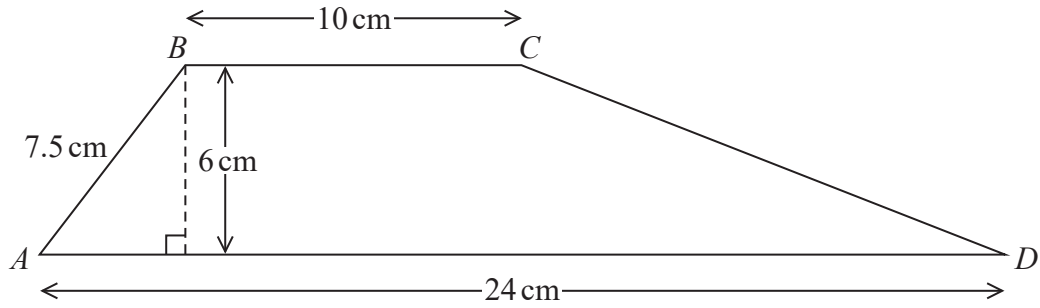


Work out the value of x .
Give your answer correct to 3 significant figures.

$x = \dots\dots\dots$

(Total for Question 5 is 2 marks)

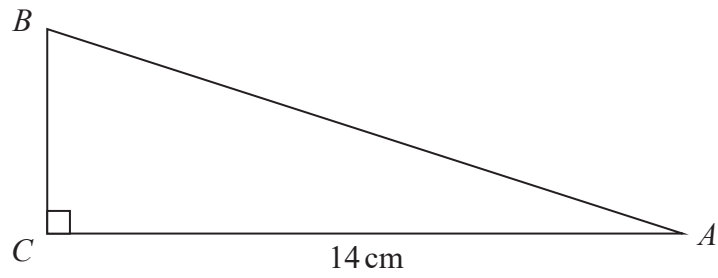
22 $ABCD$ is a trapezium.



Work out the size of angle CDA .

Give your answer correct to 1 decimal place.

25 ABC is a right-angled triangle.



$AC = 14$ cm.

Angle $C = 90^\circ$

size of angle B : size of angle $A = 3 : 2$

Work out the length of AB .

Give your answer correct to 3 significant figures.

.....cm

(Total for Question 7 is 4 marks)

30 Write down the value of $\sin 30^\circ$

.....

(Total for Question 8 is 1 mark)
