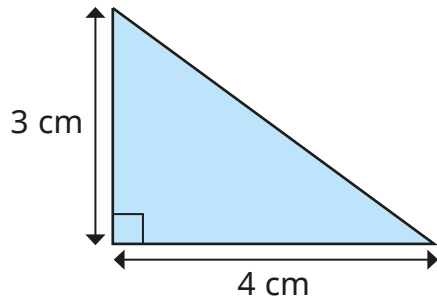


# Find the area of a triangle

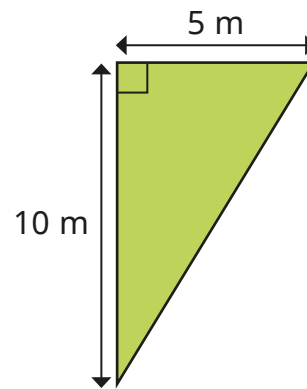
1 Work out the areas of the triangles.

a)



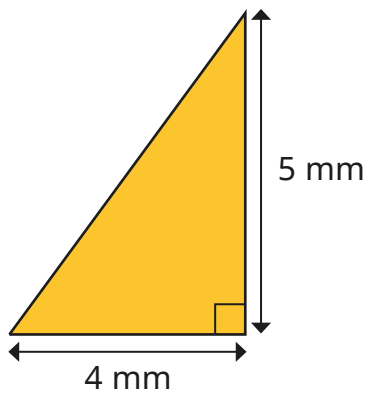
cm<sup>2</sup>

c)



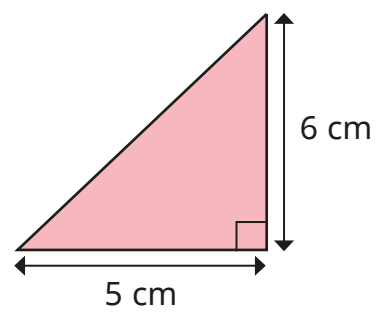
m<sup>2</sup>

b)



mm<sup>2</sup>

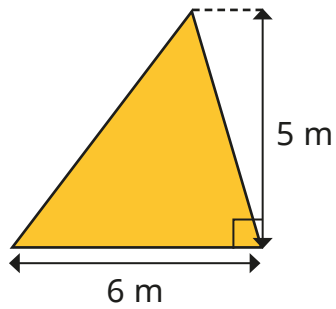
d)



cm<sup>2</sup>

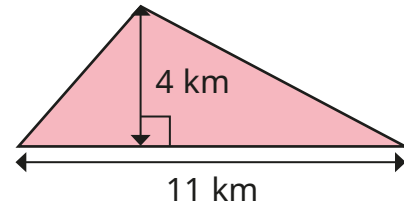
2 Work out the areas of the triangles.

a)



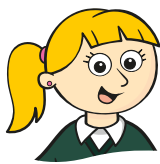
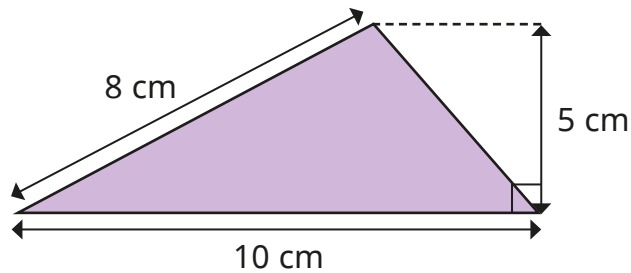
m<sup>2</sup>

b)



km<sup>2</sup>

3 Eva and Ron are working out the area of the triangle.



Eva

The perpendicular height is 8 cm.



Ron

The perpendicular height is 5 cm.

a) Who is correct?

Explain your answer.

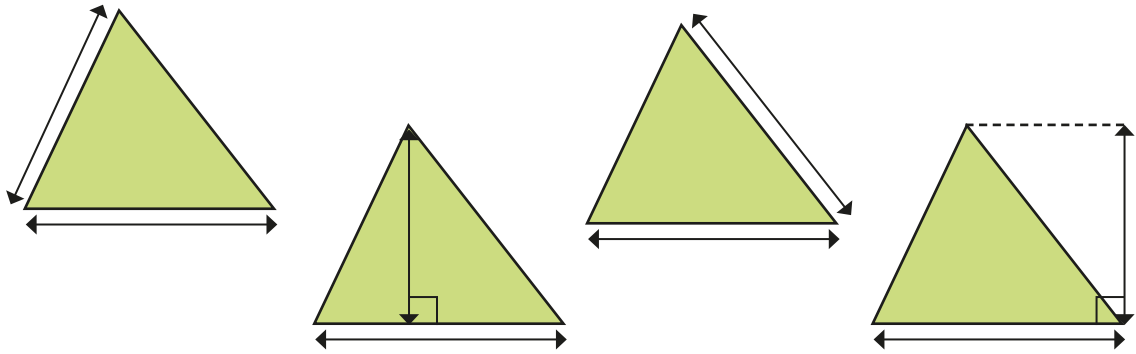
b) Work out the area of the triangle.

cm<sup>2</sup>



4

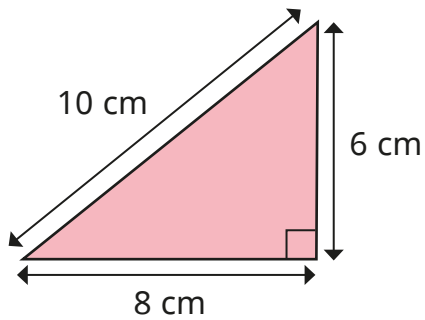
Tick the diagrams that show the base and perpendicular height.



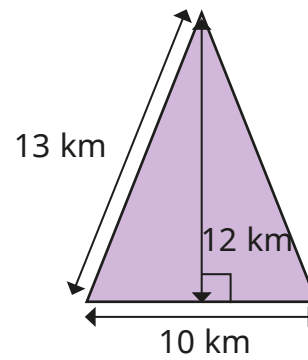
5

Work out the areas of the triangles.

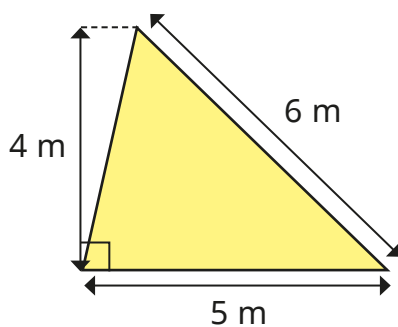
a)


  $\text{cm}^2$ 

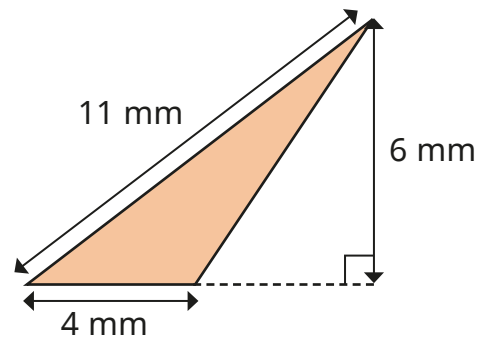
c)


  $\text{km}^2$ 

b)


  $\text{m}^2$ 

d)


  $\text{mm}^2$

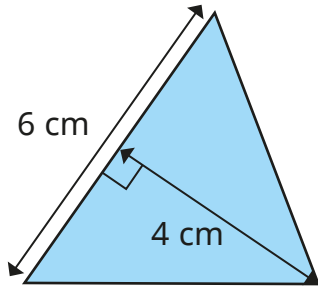


6

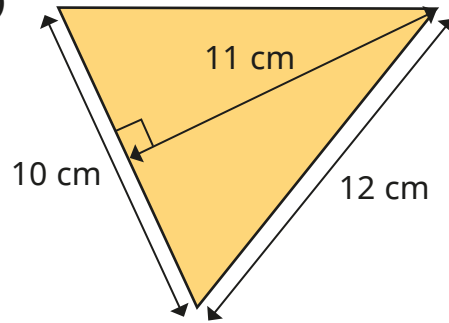
Work out the areas of the triangles.

Give units with your answers.

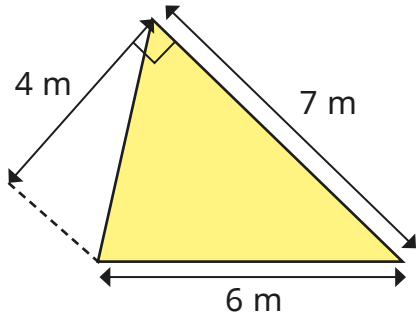
a)



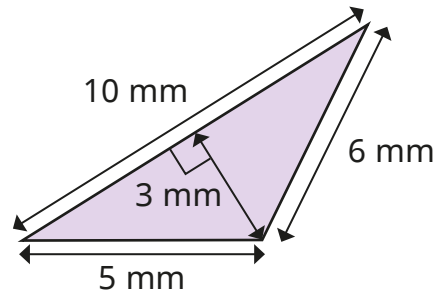
c)



b)

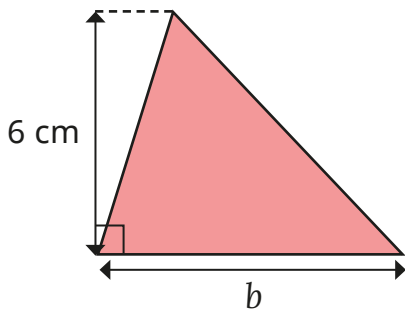


d)



7

The triangle has an area of  $24 \text{ cm}^2$



Work out the length of the base,  $b$ .

$b =$    $\text{cm}$

