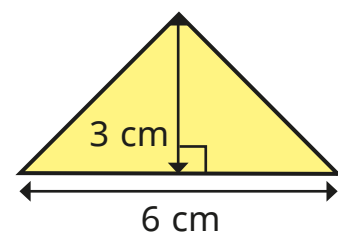


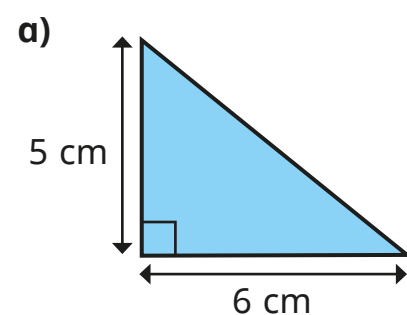
Area of any triangle

- 1 Calculate the area of the triangle.

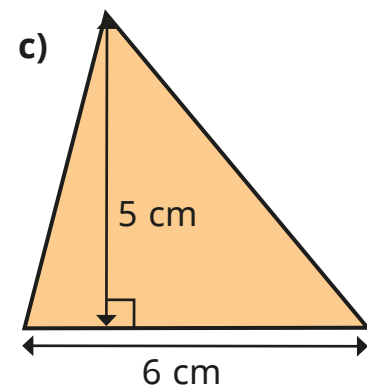


cm²

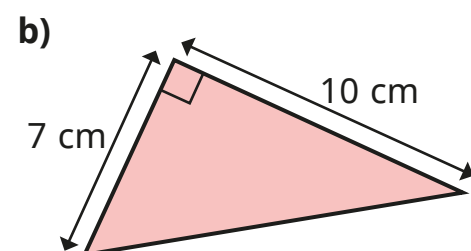
- 2 Calculate the areas of the triangles.



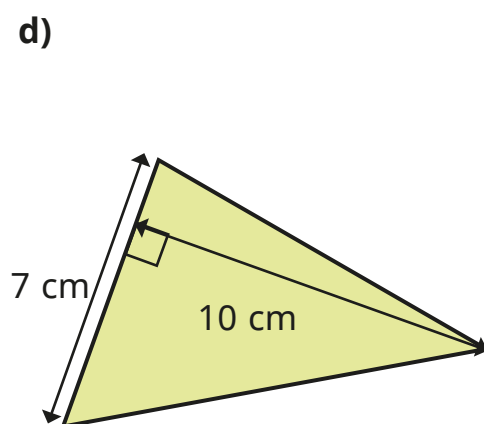
cm²



cm²

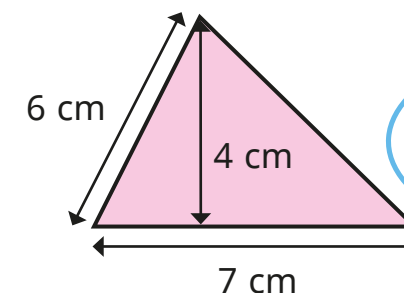


cm²

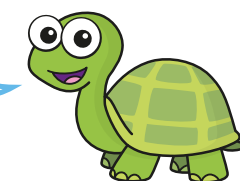


cm²

- 3 Tiny is working out the area of the triangle.



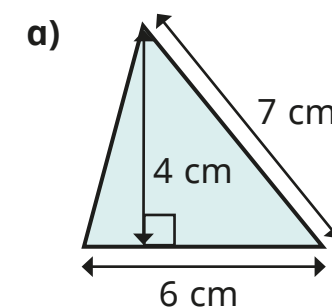
To find the area,
I will work out
 $7 \times 6 \div 2 = 21 \text{ cm}^2$



Do you agree with Tiny? _____

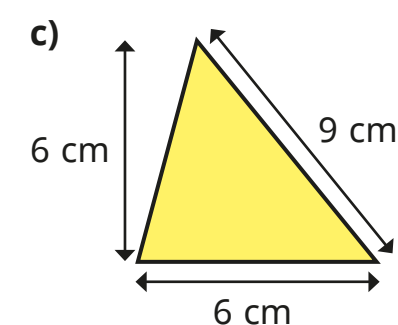
Explain your answer.

- 4 Identify the base, b , and perpendicular height, h , on each triangle.



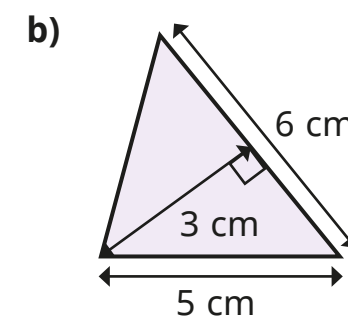
$b =$ cm

$h =$ cm



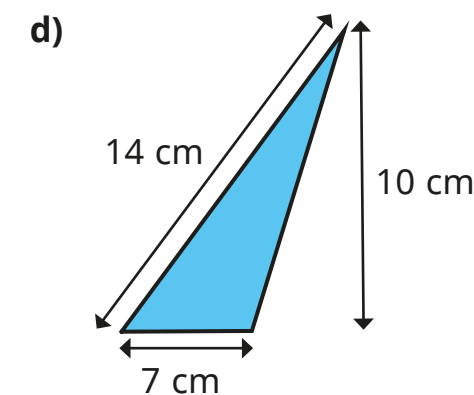
$b =$ cm

$h =$ cm



$b =$ cm

$h =$ cm

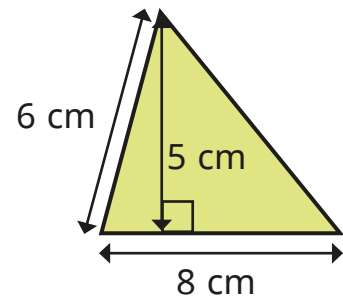


$b =$ cm

$h =$ cm

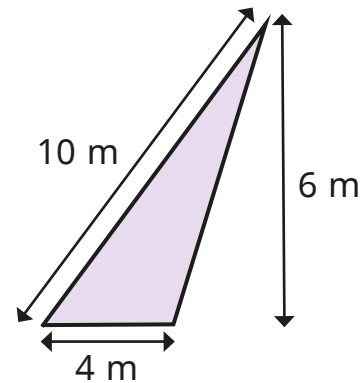
5 Calculate the areas of the triangles.

a)



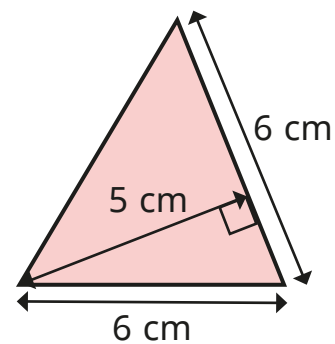
area = cm²

d)



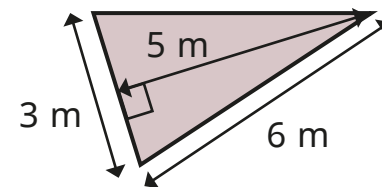
area = m²

b)



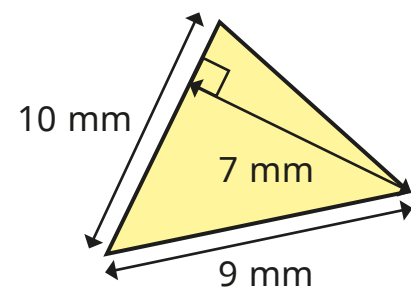
area = cm²

e)



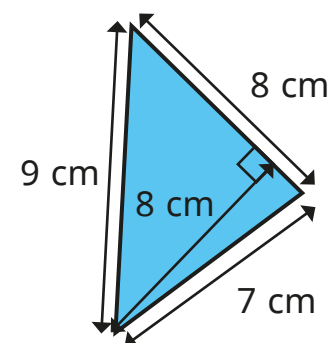
area = m²

c)



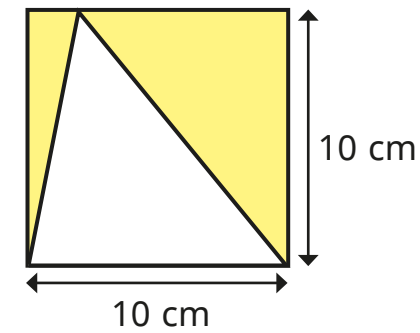
area = mm²

f)



area = cm²

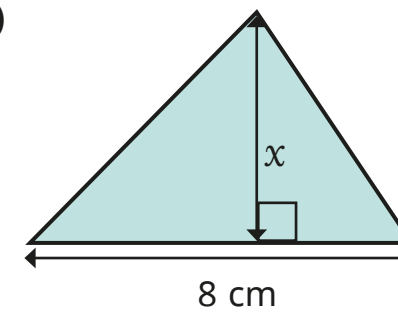
6 Find the area of the shaded region.



area = cm²

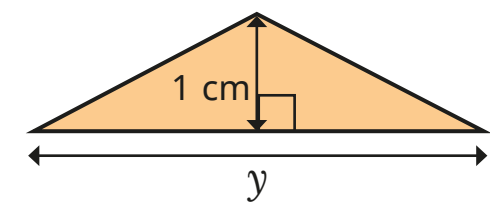
7 The area of each triangle is 12 cm²
Work out the lengths marked x and y .

a)



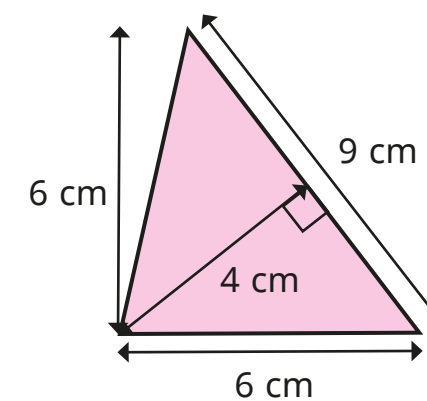
x = cm

b)



y = cm

8 Show two ways you can work out the area of the triangle.



Compare answers with a partner.