Assessment on Pythagoras Theorem

Surname: _____ Forename(s) _____

Q1 **Find the value of the following:**

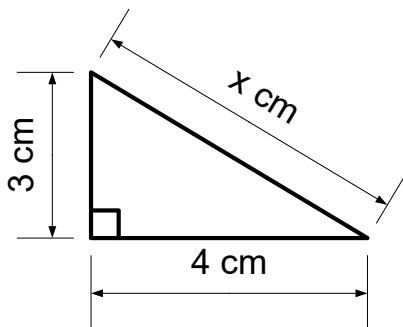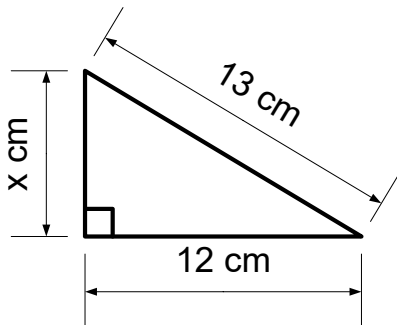$5^2 =$ $7^2 =$

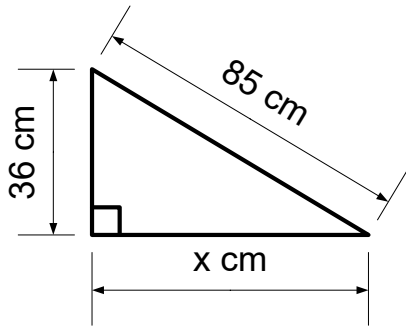$8^2 =$ $24^2 =$

$25^2 =$ $20^2 =$

(6 marks)

Q2 **Write the equation you would use to find the length of the missing side.**

_____

_____

36 cm

85 cm

x cm

Q3 **Find the length of the side marked x.**

8 cm

x cm

15 cm

12 cm

20 cm

x cm
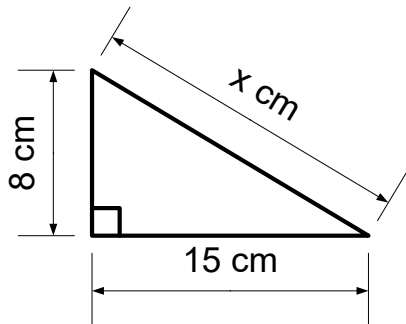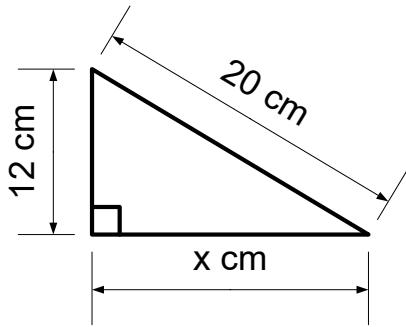
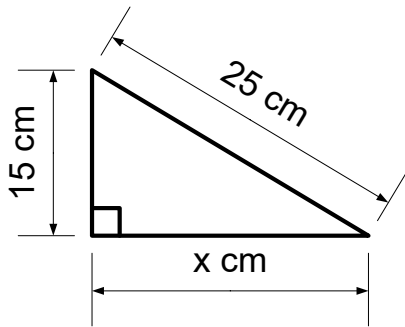(8 marks)

Q4   Calculate the perimeter of the following triangle.

12 cm

37 cm

x cm
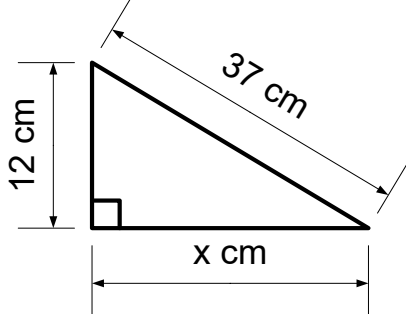
(6 marks)

Q5 Calculate the area of the following triangle.

15 cm
25 cm
x cm

_____

_____

_____

_____

_____

_____

_____

_____

(6 marks)

Skill	Went well	Even better if
I can square numbers		
I can write the initial equation to find the length of the missing side		
I can find the length of a missing hypotenuse		
I can find the length of a side that is not the hypotenuse		
I can apply Pythagoras to calculate the perimeter of a triangle		
I can apply Pythagoras to calculate the area of a triangle		

I was good at _____

I need to improve on _____

_____