Pythagorean Theorem

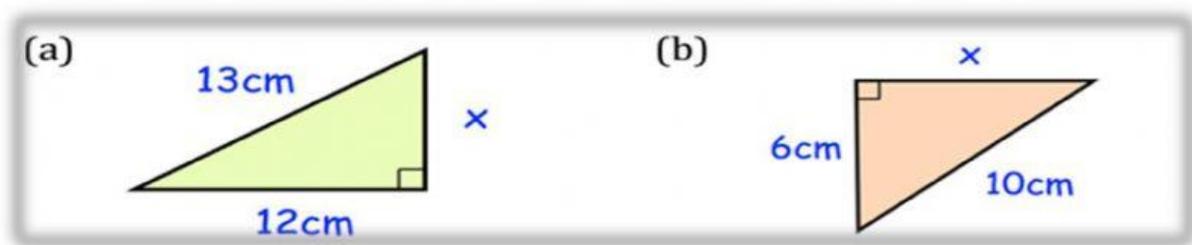$$a^2 + b^2 = c^2$$

Name: _____ **Number:** ___ **Grade:** 8/_

Notice: 1m = 100cm   1cm = 10mm

Convert all unit in question 3 to cm

Workout by dropping your answers

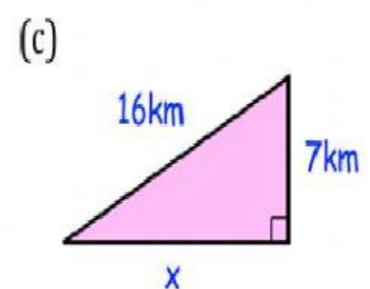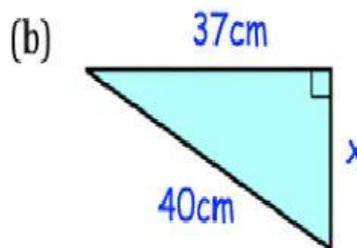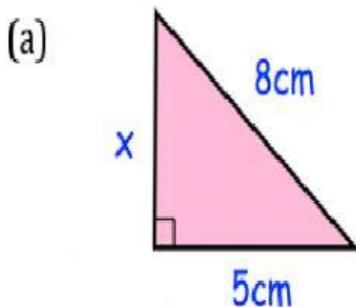**Question 4:** For each right-angled triangle below, workout

(a)
13cm
x
12cm

(b)
x
6cm
10cm

Drag out the correct answers for 'a' & 'b' and drop it appropriately

3 cm	5 cm	7 cm	8cm

Question 5: Calculate x
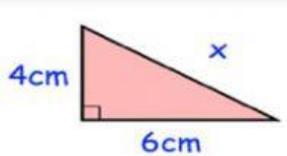
Give each answer to 2 decimal places.

14.39 cm	6.24 cm	15.20 cm

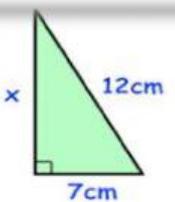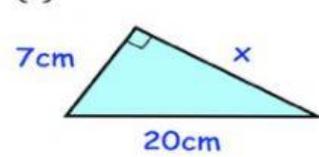(a)
8cm
x
5cm

(b)
37cm
x
40cm

(c)
16km
7km
x

Question 6: Calculate x for each right-angled triangle.

Give each answer to 2 decimal places.

2.14km	13.08mm	21.02cm	9.75cm	7.21cm	19.67cm
1.35cm	3.38m	37.09m	1.98cm	13.6cm	18.73cm

(a)
4cm
x
6cm

(b)
x
12cm
7cm

(c)
7cm
x
20cm

(d)
x
1.3km
1.7km

(e)
x
35m
51m

(f)
19cm
9cm
x

(g)
x
0.7cm
2.1cm

(h)
17cm
26cm
x

(i)
0.5cm
x
14mm

(j)
11cm
x
80mm

(k)
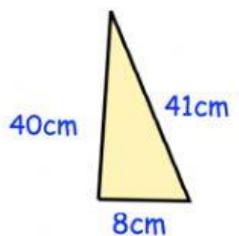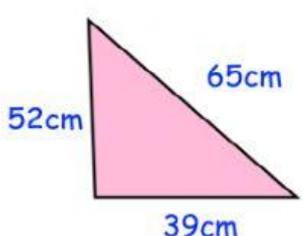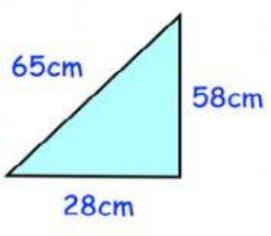90cm
3.5m
x

(l)
x
1km
90000cm
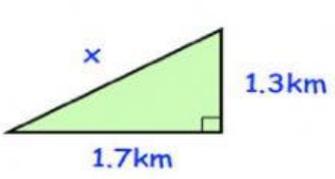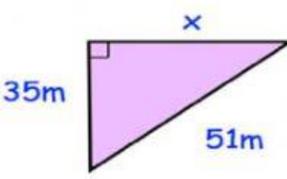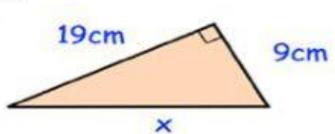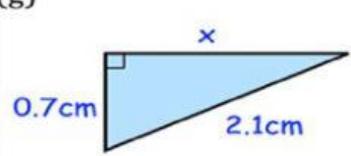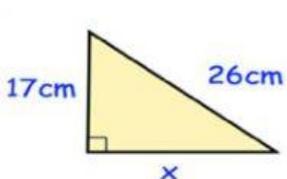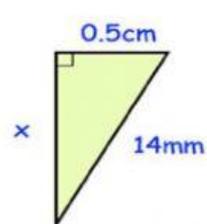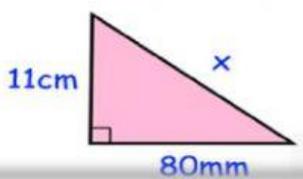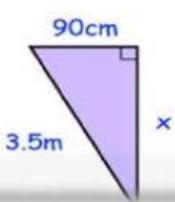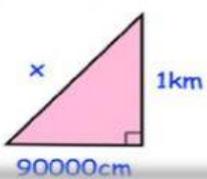
Question 7: Work out if each triangle below is right angled or not.

The triangles are not drawn accurately.

NO	NO	YES

(a)
40cm
41cm
8cm

(b)
52cm
65cm
39cm

(c)
65cm
58cm
28cm

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