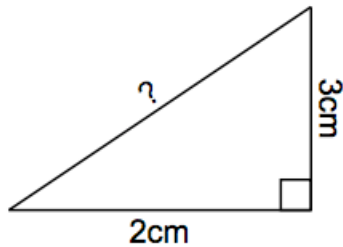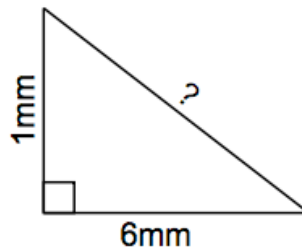# Finding the length of the hypotenuse

1 Find the length of the hypotenuse in each of the following to 1 decimal place
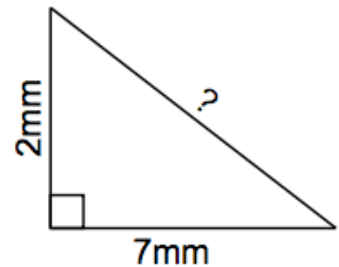
a)

3cm
?
2cm

b)

1mm
?
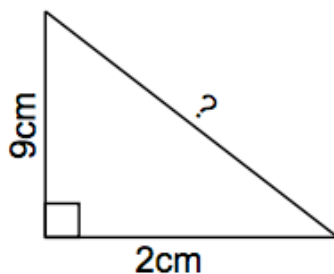6mm

c)
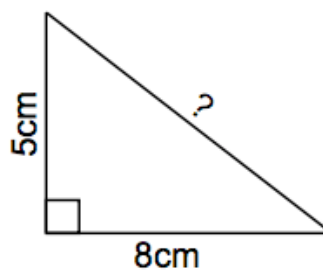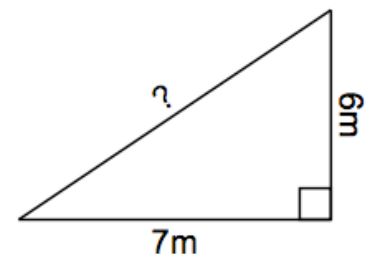
2mm
?
7mm

d)

9cm
?
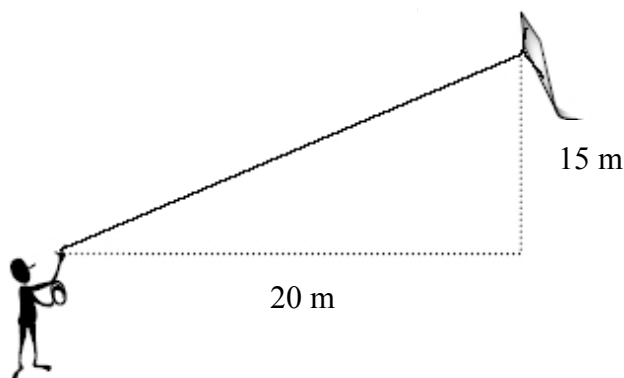2cm

e)

5cm
?
8cm

f)

?
6m
7m

2 Find the length of string attached to this kite

15 m

20 m

3 Because of the nature of the terrain a bush walker is forced to walk 4 km due north and then 5 km due east. How far correct to one decimal place is the bush walker then from the starting point?

4 An extension fire ladder reaches to a height of 24 metres up a vertical wall. If the foot of the ladder in 7 metres from the wall on level ground find the height of the ladder.

5 Find the length of the roof rafter

RAFTER

6 m

16 m