Pythagoras' Theorem Worded Problems		
(a)	(b)	(c)
A ladder which is 7.5 m long, leans against a wall. The foot of the ladder is 1.8 m from the foot of the wall. How far up the wall does the ladder reach to 1 decimal place?	A ship sails 150 km west, then turns and sails 130 km south. How far from its original position is the ship now, to the nearest km? $\frac{150 km}{}$	A football pitch is 90 m by 50 m. Find the length of the diagonal of the pitch to 1 decimal place. $90 m$
(d)	(e)	(f)
A snail starts at point A and travels 75 cm east and then 60 cm north to point B. Find the direct distance from A to B. $ \begin{array}{c} B \\ 60 \\ CM \end{array} $	A ladder leans against a wall. The foot of the ladder is 2.3 m from the foot of the wall, and the ladder reaches 9 m up the wall. How long is the ladder, to 1 decimal place?	A farmer has a field in the shape of a trapezium, as shown. He wants to put a fence all the way around the field. How long will the fence need to be, to 1 decimal place? $\frac{20 m}{28 m}$
(g)	(h)	(i)
A netball pitch is 15 metres wide and 30 metres long. Find the length of the diagonal to 1 decimal place.	A bird flies from its nest 2 km due north, then 3.5 km due east. Find the distance of the bird from its nest after its flight.	A ladder of length 8.2 m leans against a wall. The ladder reaches 6.9 m up the wall. How far is the foot of the ladder from the foot of the wall?