

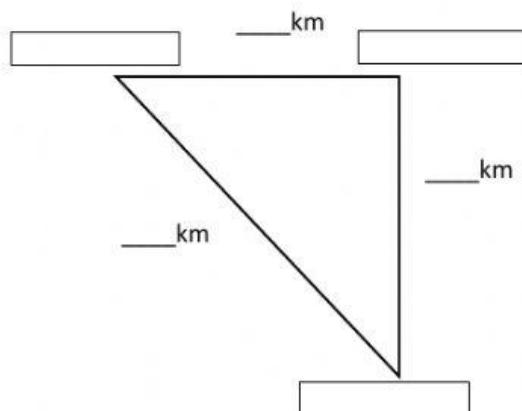
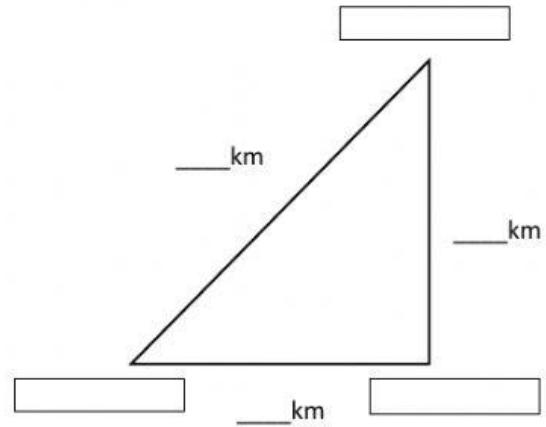
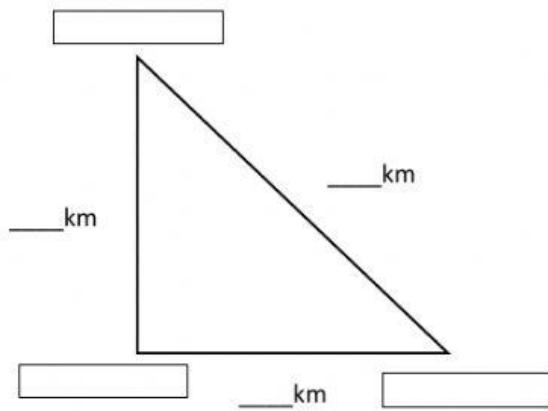
Word problems involving the Pythagoras theorem.

Exercise

Name:- _____

1) Bristol is 168km due West of London; Liverpool is 224 km due North of Bristol. Find the direct distance from London to Liverpool.

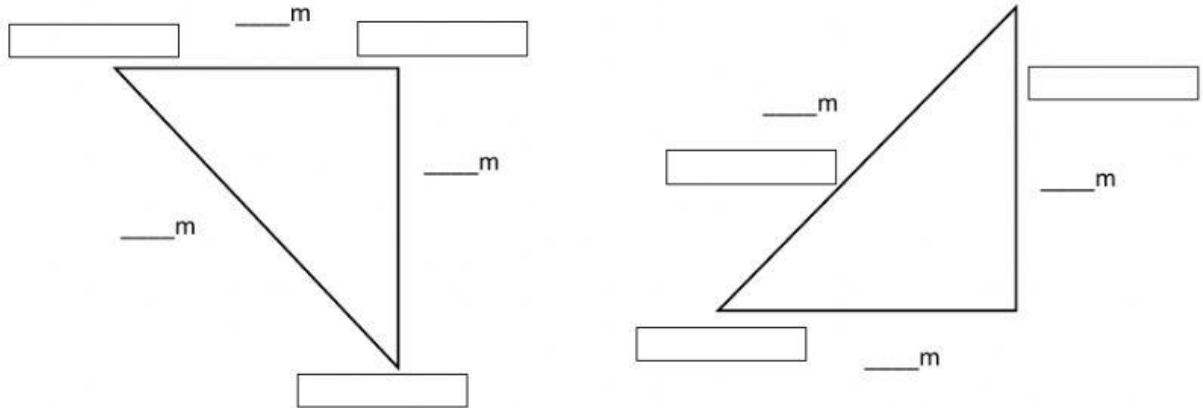
Type the name of the cities and distances in the correct spaces in the correct diagram and calculate the unknown distance and type it in the correct position.



Word problems involving the Pythagoras theorem.

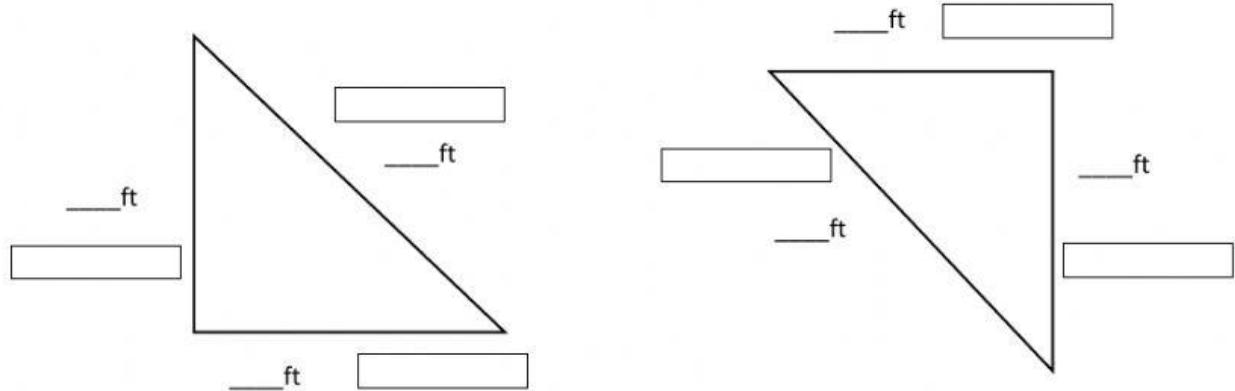
2) The supporting wire from the top of a vertical pole to the ground is 13m long and is fasten to the ground 5m from the foot of the pole. What is the height of the pole?

Type the name of the edges and lengths in the correct spaces in the correct diagram and calculate the unknown length and type it in the correct position.



3) A ladder 10 ft long rests with its foot 6 ft from the base of the vertical wall. How high up the wall would the ladder reach?

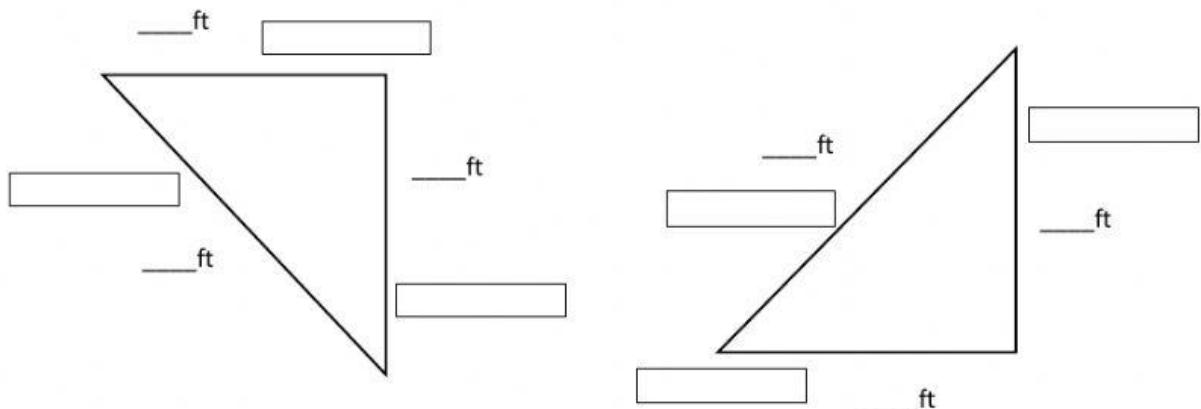
Type the name of the edges and lengths in the correct spaces in the correct diagram and calculate the unknown length and type it in the correct position.



Word problems involving the Pythagoras theorem.

4) A ladder rests against a window sill if the window sill is 10 ft above the ground and the foot of the ladder is 6 ft from the base of the wall. How long the ladder?

Type the name of the edges and lengths in the correct spaces in the correct diagram and calculate the unknown length and type it in the correct position.



5) A person has to walk 61 m to go from position A in the South of West direction to the position B and then to the East of B to reach finally at position C. The position C is situated at the South of A and at a distance of 60 m from A. Find the distance between B and C.

Type the name of the location and distances in the correct spaces in the correct diagram and calculate the unknown distance and type it in the correct position.

