Triangle and its Properties: Worksheet -9

1. Given below are the sides of a triangle. In which of these cases are the triangles right angled?

   a) 2cm, 2cm, 5cm   b) 1.5cm, 2cm, 2.5cm   c) 6cm, 8cm, **1**0cm

2. A ladder 3.7m long is placed against a wall in such a way that the foot of the ladder is 1.2m away from the wall.   Find the height of the wall to which the ladder reaches.

3. Two poles of heights 6m and 11 m stand on a plane ground. If the distance between their feet is 12 m, find the distance between their tops.

4. A man goes 15 meters to west and then 8 meters to north. How far is he from the starting point?

5. In triangle ABC, AB = 5cm, BC = 12cm $\angle$ ABC =90^0 .calculate the length of AC.

6. A 15m ladder reaches the wall at a height of 12m. Find how far is the foot of the ladder from the wall.