

**Grade- VIII**

**Name of the Student:**

**Sec:**

**Branch**

**MATHS**

1. Pythagoras theorem is \_\_\_\_\_
2. Pythagoras theorem applied for \_\_\_\_\_ triangle
3. Longest side of right angle triangle is \_\_\_\_\_
4. Sum of any two sides of triangle is \_\_\_\_\_ than the third side
5. If two sides of a right angled triangle are 6 cm and 8 cm then its hypotenuse is \_\_\_\_\_
6. A ladder 15 m long reaches a window which is 9 m above the ground on one side of a street. keeping its foot at the same point the ladder is turned to other side of the street to reach a window 12 m height find the width of the street
7. Two poles of height 6m and 11m stand on a plane ground if the distance between their feet is 12 m , find the distance between their tops
8. If two sides of a triangle are 8 cm and 5 cm then find all possible values of third side of it
9. A man goes 10 m due east and then 24 m due north find distance from the straight point
10. A tree of height  $x$  m broken due to wind storm and its top touches ground 15 m apart from starting of tree, height of tree after broken is 8 m. find the total height of tree