

CLASS VII CHAPTER 6

Q1 In a triangle XYZ, if $\angle X = 105^\circ$, $\angle Y = 48^\circ$. Find $\angle Z$.

Q2 Find the angles of a triangle which are in the ratio 4 : 3 : 2.

Q3 One of the angles of a triangle is 100° and the other two angles are equal. Find each of the equal angles.

Q4 A man goes 24m due east and then 10m due north. How far is he away from his starting position?

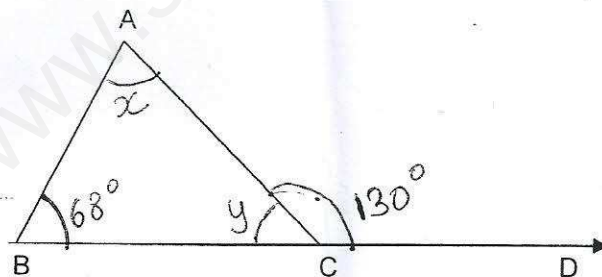
Q5 Find the area of a rectangle whose breadth is 12m and the diagonal is 20m?

Q6 A tree is broken by the wind at a height of 9m above the ground and its top touches the ground at a distance of 12m from its foot. Find the length of the ladder?

Q7 A ladder is placed on a wall of height 6m and the foot of the ladder is 8m away from the wall. Find the length of the ladder?

Q8 Find the area of a square, the lengths of whose diagonals are 8cm and 6.9cm?

Q9 Find the value of x and y



Q10 Find x, y and z

