

BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA

CLASS:-VII

SUBJECT :-MATHEMATICS (041)

Assignment

Ch-6: Triangle and its Properties

Session: 2023-24

Hints and Solutions

MCQs

Q1.(d) $H^2 = P^2 + B^2$

Q2. (c) 7 -23 cm

Q3. (c) 3

ASSERTION -REASONING

Q4. (a) Both assertion and reason are correct and reason is the correct explanation for assertion.

SUBJECTIVE QUESTIONS

Q5.Let the three angles be $2x, 3x$ and $4x$

$$2x+3x+4x = 180$$

$$x = 20$$

Thus, the three angles measure 40,60 and 80 degrees.

Q7. Find Hypotenuse using Pythagoras Theorem.

Thus, Hypotenuse = 13 m

Q8.**CASE STUDY**

A) Pythagoras Theorem

B) 17 cm as Hypotenuse is the longest side.

C) Yes[show using Pythagoras Theorem]