## वातिका विद्यापीठ

## OVIDYA BHAWAN, BALIKA VIDYAPITH

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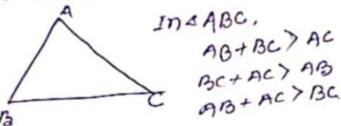
(Affiliated to CBSE up to +2 Level)

CLASS: YII SUB.: MATHS (NCERT BASED)

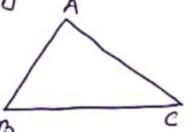
DATE: 07-09-2020

Some impostant points in triangle.

(1) Sum of any two sides of a triangle is Greater than their third sides.

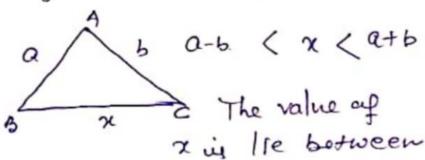


(2) The difference of any two sides of a triangle is less than their third sides



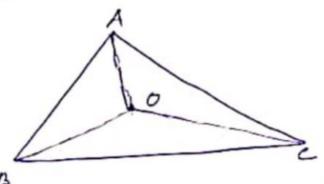
AB-BC (AC BC-AC (AB AB-AC (BC

(3.) If length of two sides are given in a triangle



a-b and a+b.

B) In AABC, O is interior point. Than show that DA+ OB+OC> & (AB+BC+AC)



Proof We Know that Sum of any two Bides of a triangle is thered Greater than their third side.

IN DAGO.

OA + OBY AB -----

INBOC, OB+OC>BC

IN AAOC > AC - (II)

Adding (). (1) and (11)

0A+0B+0B+0C+0A+0C>AB+BC+AC &(OA+0B+OC) > AB+BC+AC ... OA+OB+OC > \$\frac{1}{2}(AB+BC+AC)

Proved