CLASS: VI **TERM:** II **SUB:** MATHEMATICS

UNIT-4: Geometry **TOPIC:** Triangle inequality property

Objective: To understand triangle inequality property.

I. Check whether the sum of the any two sides of a triangle is greater than third side. State Whether a triangle form or not.

S. No	AB	BC	CA	Select suitable statement	Satisfied triangle inequality	Does ΔABC form?
1	6cm	7cm	8cm			
2	5cm	5cm	11cm			
3	8cm	8cm	9cm			
4	2.1cm	2.2cm	5.2cm			
5	10cm	10cm	8cm			

S. No	AB	BC	CA	Select suitable statement	Satisfied triangle inequality	Does ΔABC form?
6	6cm	6cm	6cm			
7	4.3cm	3.4cm	9cm			
8	6.3cm	6.4cm	12.7cm			
9	12cm	12cm	12cm			
10	3.2cm	2cm	6cm			