

HW

1 Can a triangle be formed by line segments of length a , b and c , such that $a > b - c$?

Ans Yes.

2 Can a triangle be formed by line segments of length a , b and c , such that $a = b - c$?

Ans No

3 The areas of parallelogram on the same base and between the same parallel lines are equal.

4 In a regular polygon, are all the exterior angles equal?

Ans No.

5 Can the sum of the two angles of a triangle be less than the third angle?

Ans Yes.

6 If all sides of a polygon are equal, then all its interior angles must be equal. Is the given statement true? - True.

7 If a circle passes through four points, then the four points are said to be conyclic.

8 Two circles can't intersect in more than two points. True.

9 Two quadrilaterals of equal perimeters occupy equal areas. Is this statement always true? - No.