6/8/21 HOME ASSIGNMENT (LINES & ANGLES)

(Q) Can a triangle be formed by line segments of lengths a, b and c, such that $a > b - c$?

Ans) Yes

(Q) Can a triangle be formed by line segments of lengths a, b and c, such that $a = b - c$?

Ans) NO

(Q) The areas of parallelograms on the same base and between the same parallel lines are equal.

(Q) In a regular polygon, are all the exterior angles equal?

Ans) Yes, in a regular polygon all the exterior angles are equal to 360°.

(Q) Can the sum of the two angles of a triangle be less than the third angle?

Ans) Yes, the sum of the two angles of a Δ can be less than the third angle.

(Q) If all the sides of a polygon are equal, then all its interior angles must be equal. Is the given statement true?

Ans) No, It is false.

(Q) If a circle passes through four points, then the four points are said to be concyclic.

(Q) Two circles cannot intersect in more than two points.

Ans) True

(Q) Two quadrilaterals of equal perimeters occupy equal areas. Is this statement always true?

Ans) No, it's not always true