

11/11/21

- 1) Yes a Δ can be formed where difference of two sides is less than the third i.e. $a > b - c$
- 2) No the Δ cannot be formed with side $c = b - c$
- 3) equal in area
- 4) Yes all exterior angles of a regular polygon are equal
- 5) Sum of two angles of a Δ can be less than the third as in the case of obtuse Δ where one angle is more than 90.
- 6) No the statement is incorrect. If all sides of a polygon are equal then its all sides may not be equal.
- 7) ~~Concyclic~~ Concyclic
- 8) True
- 9) No two quadrilaterals with equal perimeter do not occupy equal area.
Ex - a square of 5cm & rectangle of side 8cm & 2cm need not to have an equal area.