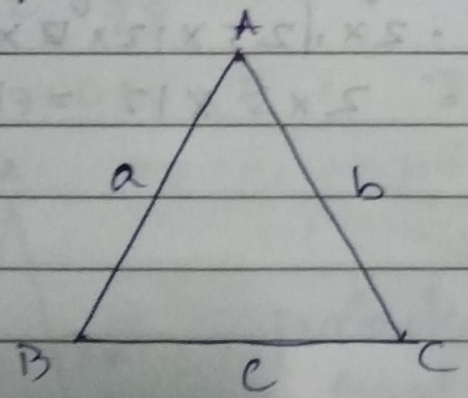


HW

ODM CONNECT HW

1) Given: length a, b and c
Such that $a > b - c$?

To prove: $\triangle ABC$ is a Δ



$a + b > c$
 $a + c > b$
 $b + c > a$] \rightarrow conditions

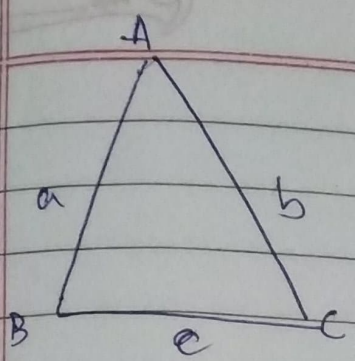
$a > b - c$

$a + c > b \rightarrow$ So the triangle can be formed
by a, b, c such that $a > b - c$

2) Given: lengths a, b and c

$a = b - c$

To prove - $\triangle ABC$ is a Δ



$a = b - c$
 $a + b < c$
 $a + c < b$
 $b + c < a$

$a = b - c$

$a + c = b$

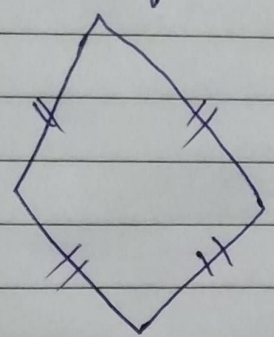
No we cannot make this triangle as in order to make a Δ $a + c > b$

3) Parallelograms on the same base and between the same parallels are equal in area.

4) No it is 360°

5) No it can't be less than the 3rd angle

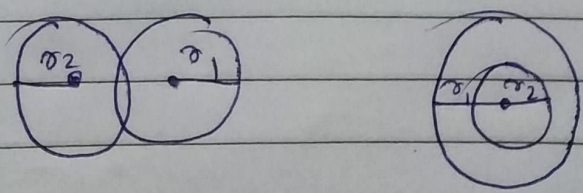
6) It is false



All sides are equal but all interior angles are not equal.

7) If ~~four~~ circle is passed through four points then the four points are called concyclic.

8) True



9) No, two equal quadrilaterals with equal perimeters have different areas.