

K10  
5/8/21

# HOMEWORK

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

2) Can a triangle be formed by line segments of lengths  $a, b$  &  $c$  such that  $a = b - c$ ?  
No

3) The areas of  $n$  gms on the same base & between the same parallel lines are  
same

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

5) Can the sum of the 2 angles of a  $\Delta$  be less than the third side?  
Yes

6) If all the sides of a polygon are equal, then all its interior angles must be equal. Is the given statement true?  
No, it's false

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/False]  
True

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