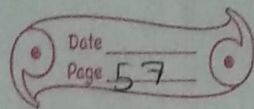


CW

## Home Assignment Lines and Angles



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  $a = b - c$ ?

Yes

3. The areas of  $n$  gms of the same base & b/w same parallel sides are equal in area

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

Yes

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

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

7) If a circle passes through four points, then the four points are said to be cyclic

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