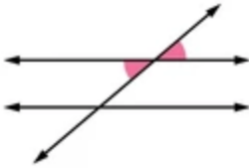


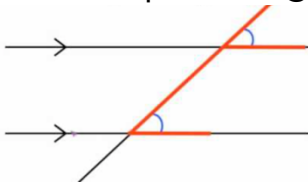
Geometry

1: Remember:

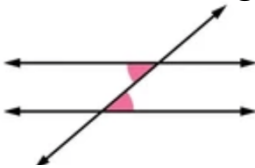
1. Vertically opposite angles (angle)



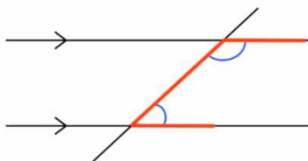
2. Corresponding angles (F-shape)



3. Alternate angles (Z-shape)



4. Co-interior angle (C- shape)



5. Complementary angle ($A+B = 90$ degree)

6. Supplementary angle ($A+B = 180$ degree)

Easy way to remember:

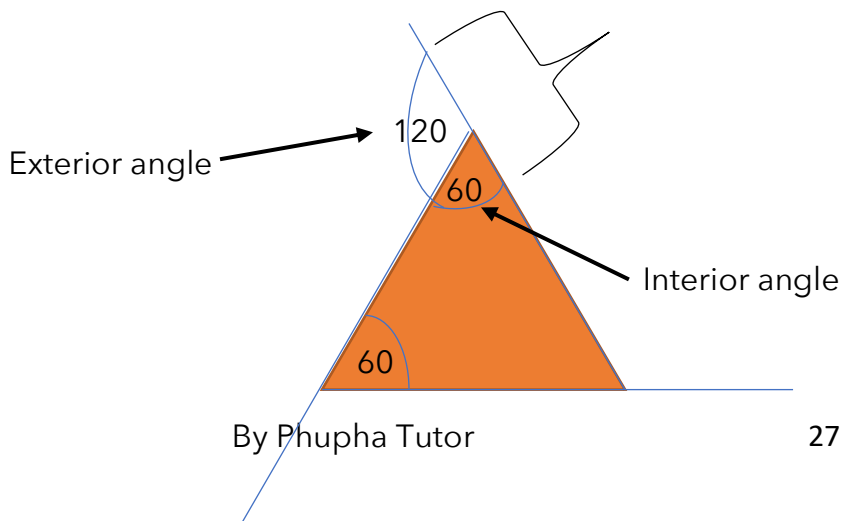
(Alphabetical order, C come before S, hence $C = 90$, $S = 180$)

2: Angle in N side polygon

Remember:

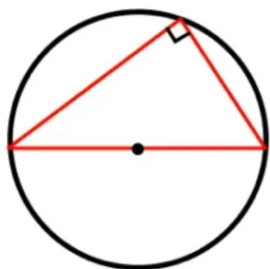
Shape (number of sides)	Total Interior angle	One Exterior angle	Total Exterior angle
3	180	120	360
4	360	90	360
5	540	72	360
n	$(n-2)(180)$	$\frac{360}{n}$	360

Exterior angle + Interior angle = 180

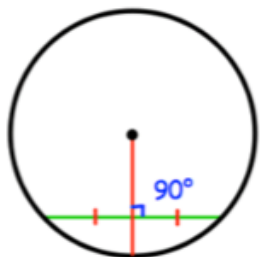


3: Circle theorem:

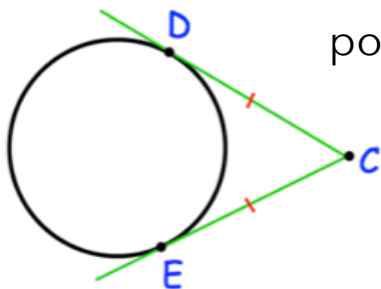
Remember: (look for these in questions)



1. The angle in semi-circle is right angle

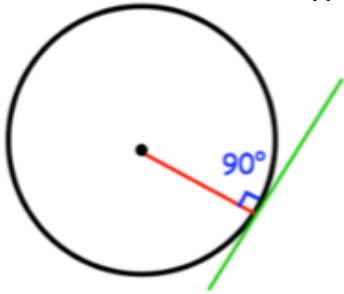


2. The radius through the midpoint of a chord will bisect the chord at 90° .

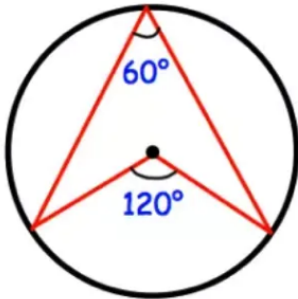


3. Tangents drawn from same point has same length.

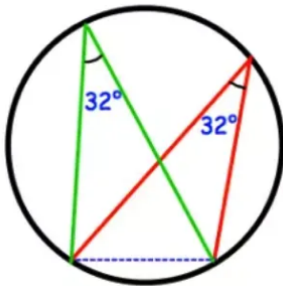
4. Angle between tangents and radius is 90

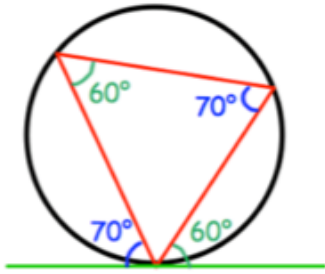


5. Angle at centre is twice angle at circumference

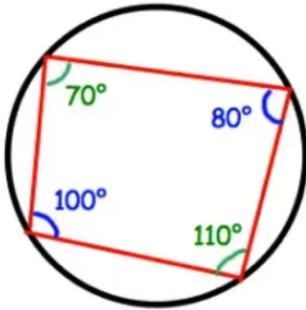


6. Angles in same segment are equal





7. Angles in alternate segment are equal



8. Opposite angles of cyclic quadrilateral add to 180