

Class – 8<sup>th</sup>

Chapter-3

Subject Maths

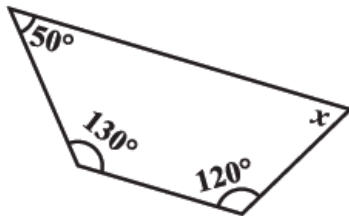
Worksheet-10

Understanding Quadrilaterals

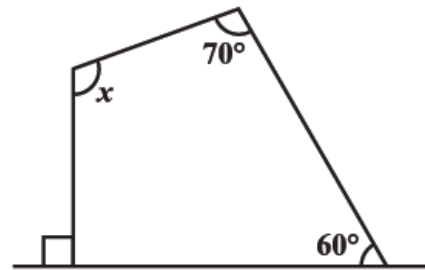
1. Find the angle sum of a convex polygon with number of sides?

- (a) 7      (b) 8      (c) 10      (d) 5

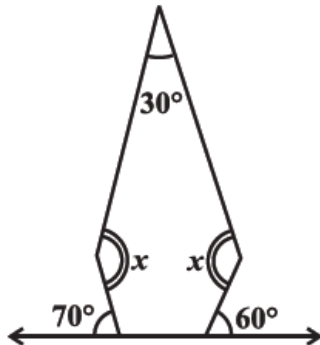
2. Find the angle measure  $x$  in the following figures.



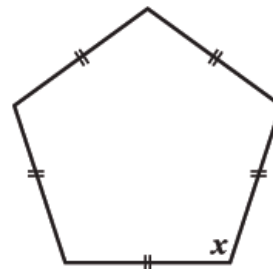
(a)



(b)

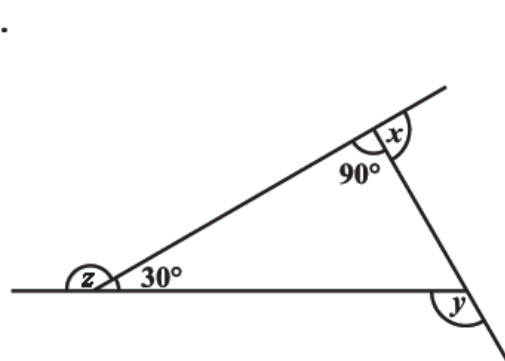


(c)

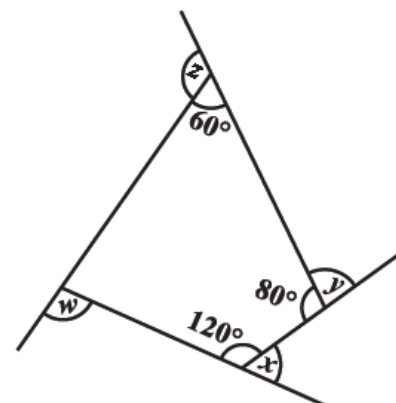


(d)

3. Solve:



(a) Find  $x + y + z$



(b) Find  $x + y + z + w$

4. Find the number of sides of a regular polygon whose each exterior angle has a measure of  $45^\circ$ .
5. How many sides does a regular polygon have if each of its interior angles is  $165^\circ$ ?
6. Find the measure of each exterior angle of a regular polygon of
  - (i) 9 sides
  - (ii) 15 sides
7. Find measure  $x$

