

## Polygon

### Multiple choice questions

- 1) A polygon with 5 sides is called as
  - a) hexagon
  - b) decagon
  - c) pentagon
  - d) nonagon
  
- 2) A polygon with 8 sides is called as
  - a) hexagon
  - b) heptagon
  - c) octagon
  - d) decagon
  
- 3) In convex polygon, each angle of polygon is
  - a)  $= 90^\circ$
  - b)  $= 180^\circ$
  - c)  $< 90^\circ$
  - d)  $< 180^\circ$
  
- 4) In concave polygon, at least one angle of polygon is
  - a)  $< 90^\circ$
  - b)  $< 180^\circ$
  - c)  $> 90^\circ$
  - d)  $> 180^\circ$
  
- 5) A polygon is said to be regular polygon, if all of its
  - a) interior angles are equal
  - b) exterior angles are equal
  - c) sides are equal
  - d) all of these
  
- 6) At each vertex of polygon, the sum of interior angle and exterior angle is equal to
  - a)  $90^\circ$
  - b)  $180^\circ$
  - c)  $270^\circ$
  - d)  $360^\circ$

- 7) The regular polygon with three sides is a
- a) isosceles triangle
  - b) equilateral triangle
  - c) scalene triangle
  - d) rhombus
- 8) The least number of sides in a polygon is
- a) 2
  - b) 4
  - c) 1
  - d) 3
- 9) The sum of interior angles of a polygon with 7 sides is
- a)  $900^\circ$
  - b)  $800^\circ$
  - c)  $700^\circ$
  - d)  $540^\circ$
- 10) If the sum of interior angles of a polygon is  $1440^\circ$  then the number of sides of the polygon are
- a) 15
  - b) 10
  - c) 11
  - d) 14