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CBSE, NCERT, STATE BOARD



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Class 6 Mathematics Chapter 5

Exercise 5.8

* कंप्यूटराइज्ड नोट्स

* फ्री स्टडी मटेरियल

* न्यूनतम शिक्षण शुल्क

* नियमित कक्षाये

Question 1: Examine whether the following are polygons. If anyone among these is not, say why?

Answer:

- (a) As it is not a closed figure, therefore, it is not a polygon.
- (b) It is a polygon because it is closed by line segments.
- (c) It is not a polygon because it is not made by line segments.
- (d) It is not a polygon because it not made only by line segments, it has curved surface also.

Question 2: Name each polygon:

Make two more examples of each of these.

Answer: (a) Quadrilateral (b) Triangle (c) Pentagon (d) Octagon

Question 3: Draw a rough sketch of a regular hexagon. Connecting any three of its vertices, draw a triangle. Identify the type of the triangle you have drawn.

Answer: ABCDEF is a regular hexagon and triangle thus formed by joining AEF is an isosceles triangle.

Question 4: Draw a rough sketch of a regular hexagon. Connecting any three of its vertices, draw a triangle. Identify the type of the triangle you have drawn.

Answer: ABCDEFGH is a regular octagon and CDGH is a rectangle.

Question 5: A diagonal is a line segment that joins any two vertices of the polygon and is not a side of the polygon. Draw a rough sketch of a pentagon and draw its diagonals.

Answer: ABCDE is the required pentagon and its diagonals are AD, AC, BE and BD.