

Mathematics

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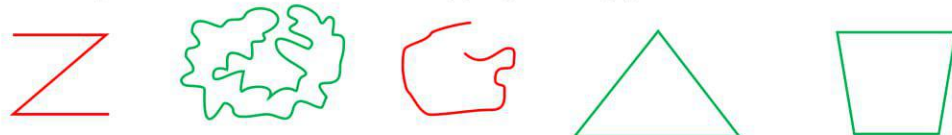
(Chapter – 4) (Basic Geometrical Ideas)

(Class – VI)

Exercise 4.2

Question 1:

Classify the following curves as (i) Open or (ii) Closed.



Answer 1:

(a) Open curve

(d) Closed curve

(b) Closed curve

(e) Closed curve

(c) Open curve

Question 2:

Draw rough diagrams to illustrate the following: (a) Open curve (b) Closed curve

Answer 2:

(a) Open curves:



(b) Closed curves

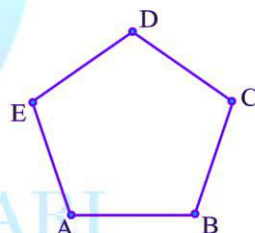


Question 3:

Draw any polygon and shade its interior.

Answer 3:

Polygon ABCDE

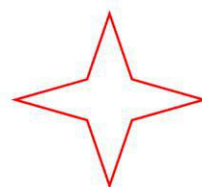


Question 4:

Consider the given figure and answer the questions:

(a) Is it a curve?

Is it closed?



Answer 4:

(a) Yes, it is a curve.

(b) Yes, it is closed.

Question 5:

Illustrate, if possible, each one of the following with a rough diagram:

(a) A closed curve that is not a polygon.

(b) An open curve made up entirely of line segments.

(c) A polygon with two sides.

Answer 5:

(a)



(b)



(c) Polygon with two sides cannot be drawn.

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