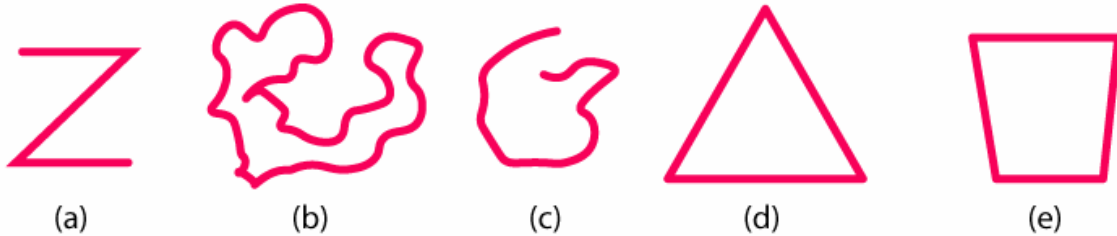


Access NCERT Solutions for Class 6 Chapter 4: Basic Geometrical Ideas Exercise 4.2

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



Solutions:

(a) The given curve is an open curve

(b) The given curve is closed curve

(c) The given curve is open curve

(d) The given curve is closed curve

(e) The given curve is closed curve

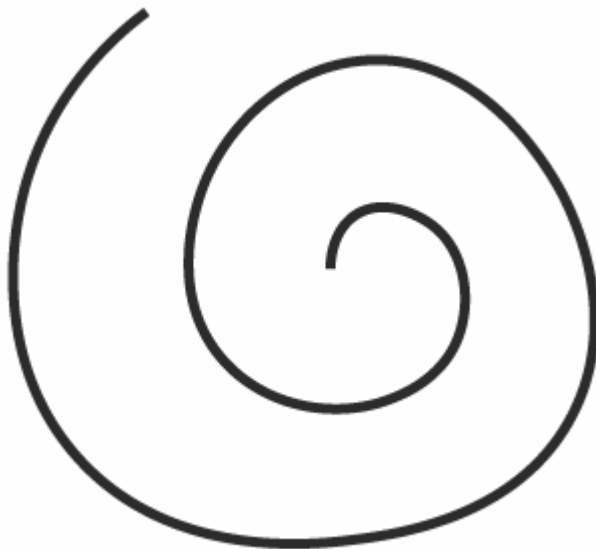
2. Draw rough diagrams to illustrate the following:

(a) Open curve

(b) Closed curve

Solutions

(a) The below figure is the open curve



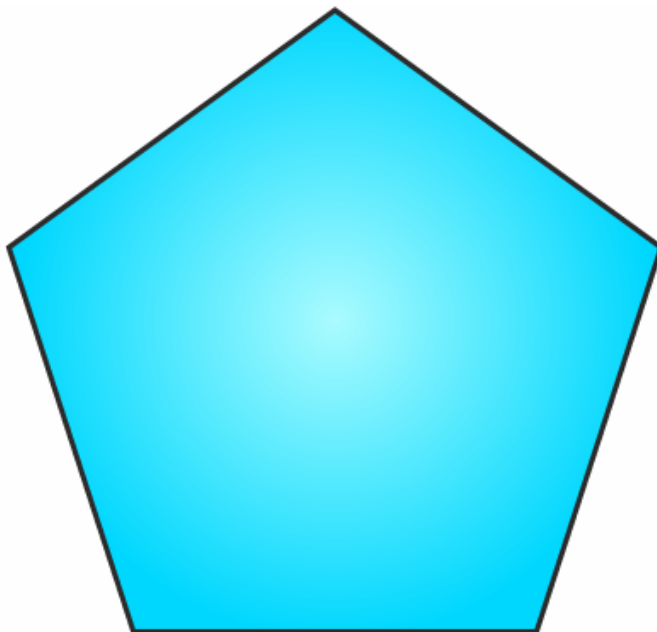
(b) The below figure is the closed curve



3. Draw any polygon and shade its interior.

Solutions:

The below figure is the polygon with interior shade



4. Consider the given figure and answer the questions:

(a) Is it a curve?

(b) Is it closed?



Solutions:

(a) Yes, it is a curve

(b) Yes, it is closed curve

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

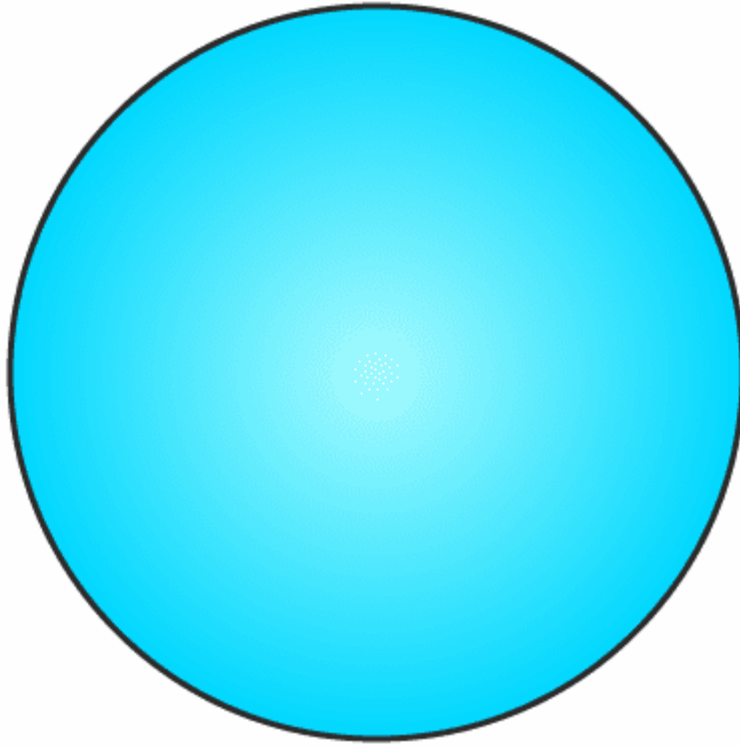
(a) A closed curve that is not a polygon.

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

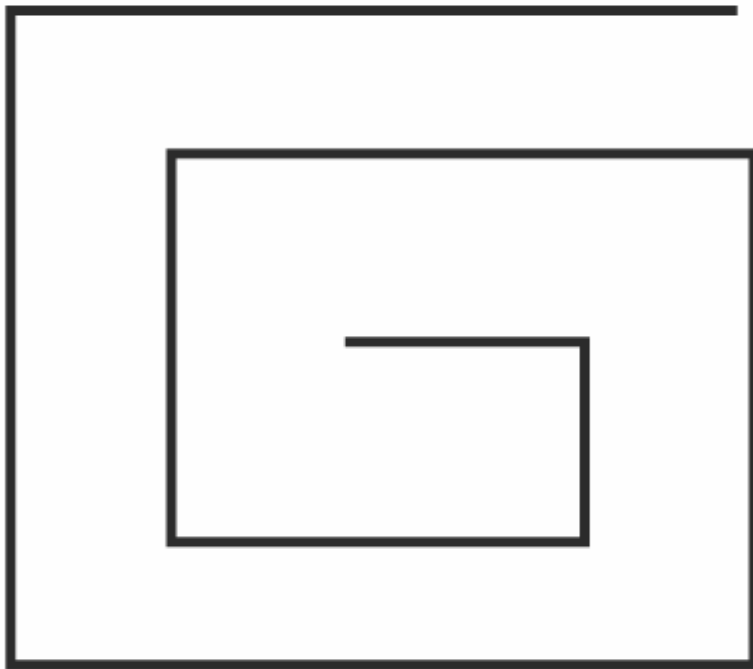
(c) A polygon with two sides.

Solutions:

(a) The below figure is the closed figure but not a polygon



(b) The below figure is an open curve made up entirely of line segments



(c) No its not possible, as the polygon having least number of sides is a triangle which has three sides.