

**RD SHARMA**

**Solutions**

**Class 6 Maths**

**Chapter 10**

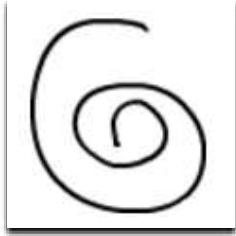
**Ex 10.3**

Question 1

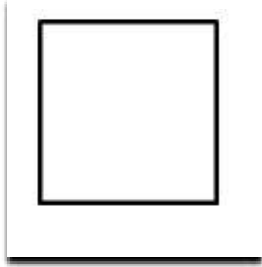
Draw rough diagrams to illustrate the following:

Solution

i) Open curve –



ii) Closed curve –



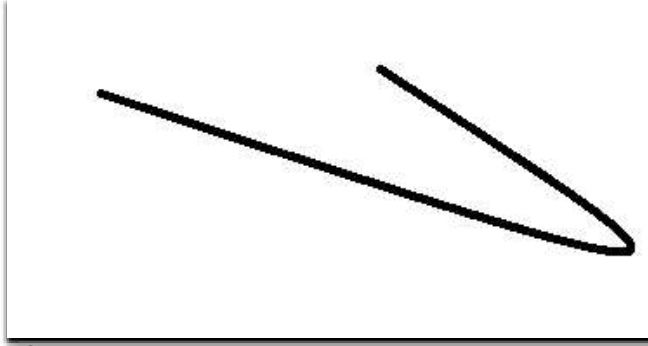
Question 2

Classify the following curves as open or closed?

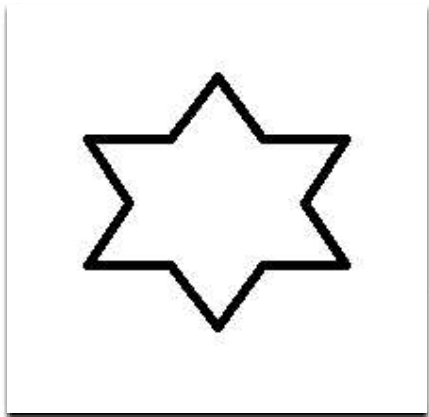
Solution

i)

(ii)

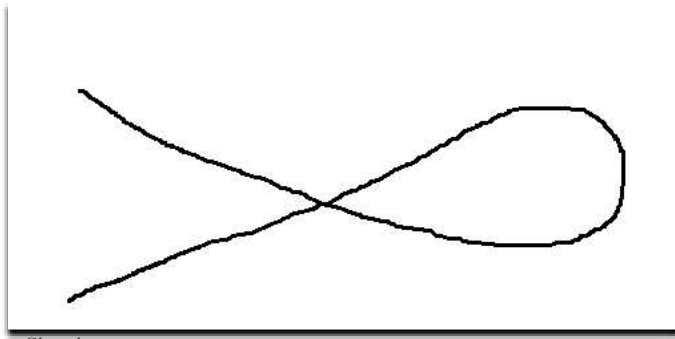


– Open



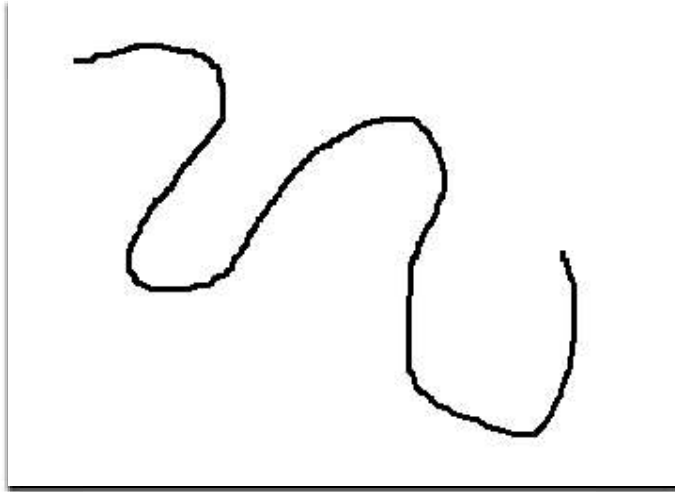
– Closed

(iii)



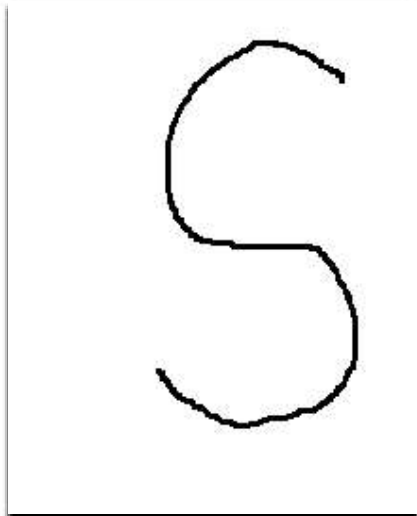
- Closed

(iv)



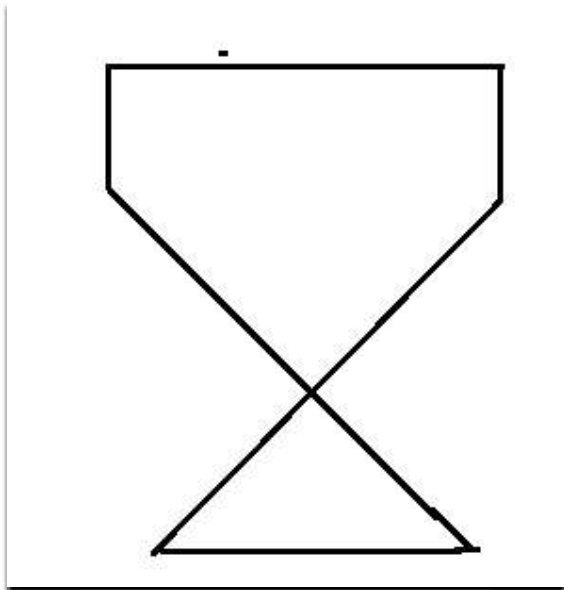
- Open

(v)



- Open

(vi)



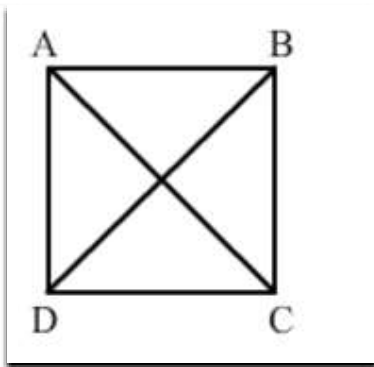
– Open

### Question 3

Draw a polygon and shade its interior. Also draw its diagonals, if any

**Solution**

ABCD is a polygon and AC and BD are its two diagonals.

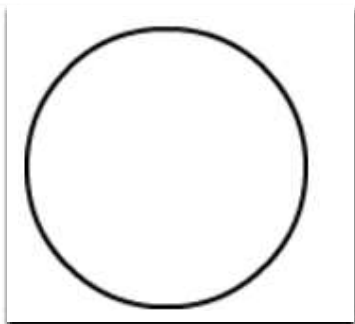


### Question 4

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

i) A closed curve that is not a polygon –

A circle is a simple closed curve but not a polygon. A polygon has line segments, but a circle has only curve



ii) An open curve made up entirely of line segments

Rough diagram of an open curve made up entirely of line segments



iii) A polygon with two sides-

A polygon with two sides is not possible.