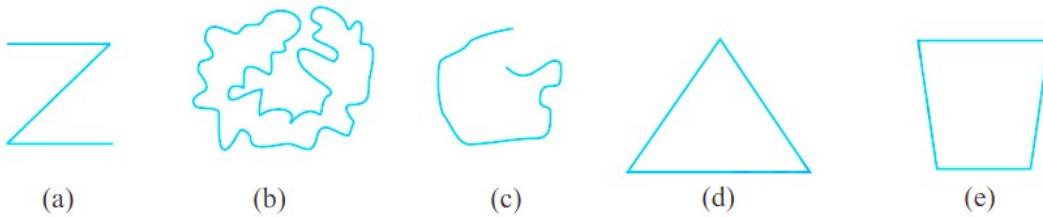




## CLASS NOTES-ANSWERS

### EXERCISE 4.2

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



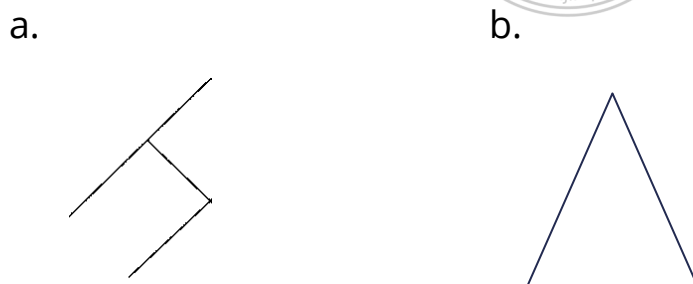
Answer:

- a. Open curve                      b. Closed curve                      c. Open curve  
 d. Closed curve                      e. Closed curve

2. Draw rough diagrams to illustrate the following:

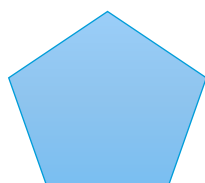
- (a) Open curve                      (b) Closed curve.

Answer:



3. Draw any polygon and shade its interior.

Answer:



4. Consider the given figure and answer the questions:

- (a) Is it a curve?                      (b) Is it closed?



Answer:

- a. Yes, the given figure is a curve.
- b. Yes, it is a closed curve because all the lines are connected with each other.

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:

a.



b.



c. A polygon with 2 sides does not exist.