

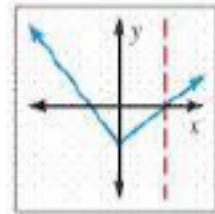
Topic No. 02



#1

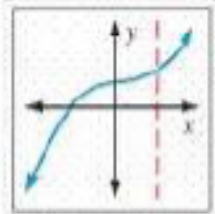
1. Which of the below correctly describes this graph?

- (a) It is a function; it passes the vertical line test.
- (b) It is not a function; it fails the vertical line test.
- (c) It is both a function and not a function.
- (d) It is not a function now, but will be one later.



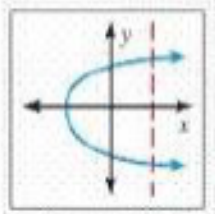
2. Which of the below correctly describes this graph?

- (a) It is a function; it passes the vertical line test.
- (b) It is not a function; it fails the vertical line test.
- (c) It is both a function and not a function.
- (d) It is not a function now, but will be one later.



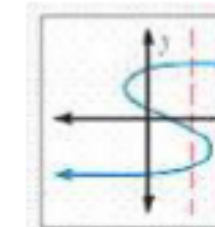
3. Which of the below correctly describes this graph?

- (a) It is a function; it passes the vertical line test.
- (b) It is not a function; it fails the vertical line test.
- (c) It is both a function and not a function.
- (d) It is not a function now, but will be one later.



4. Which of the below correctly describes this graph?

- (a) It is a function; it passes the vertical line test.
- (b) It is not a function; it fails the vertical line test.
- (c) It is both a function and not a function.
- (d) It is not a function now, but will be one later.



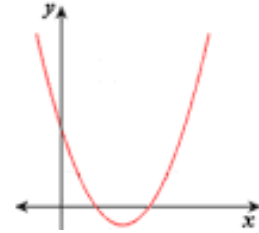
Topic No. 02



#1

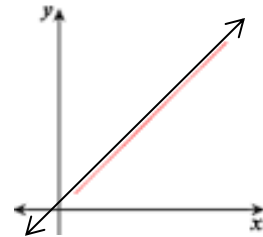
5. Which of the below correctly describes this graph?

- (a) It is linear.
- (b) It is non-linear.
- (c) It is both linear and non-linear.
- (d) It is not linear now, but will be linear later.



6. Which of the below correctly describes this graph?

- (a) It is linear.
- (b) It is non-linear.
- (c) It is both linear and non-linear.
- (d) It is not linear now, but will be linear later.



7. Which of the below correctly describes this equation?

- (a) It is linear.
- (b) It is non-linear.
- (c) It is both linear and non-linear.
- (d) It is not linear now, but will be linear later.

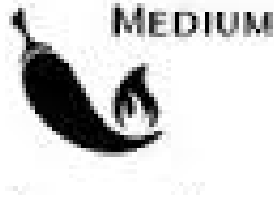
$$y = x^2$$

8. Which of the below correctly describes this equation?

- (a) It is linear.
- (b) It is non-linear.
- (c) It is both linear and non-linear.
- (d) It is not linear now, but will be linear later.

$$y = 3x - 5$$

Topic No. 02



#1

9. Consider the data sets below:

Data Set Q

X	Y
5	20
10	25
5	30
10	35
5	40

Data Set R

X	Y
10	5
20	4
30	5
40	4
50	5

Which of these statements correctly describes this data set?

- (a) Data Set Q is a function. Data Set R is not a function.
It is OK to repeat X values, but not OK to repeat Y values.
- (b) Data Set Q is not a function. Data Set R is a function.
It is OK to repeat Y values, but not OK to repeat X values.
- (c) Both Data Set Q and Data Set R are functions.
It is OK to repeat both Y values and X values.
- (d) It is impossible to tell which ones are functions.