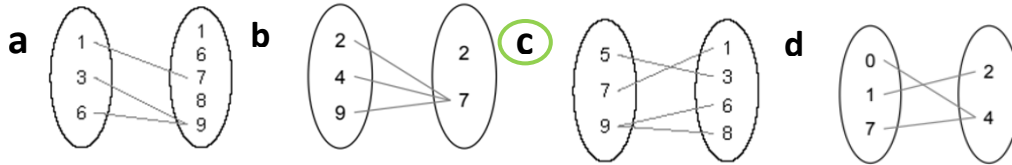


5Marks

Q1 : Choose the correct answer (3 marks)

[1] which of the following is NOT function :



[2] The solution of the Rational equation $\frac{2}{x} = \frac{1}{4}$ is

- a. -1 b. -5 c. 1 d. 8

[3] IF $f(x) = |x - 2|$ then $f(4)$ is equal to :

- a. 4 b. -4 c. 2 d. -2

[4] The domain of the function : $\frac{2x+1}{x-4}$ is:

- a. $\{x|x \text{ is all real numbers and } x \neq 0\}$
 b. $\{x|x \text{ is all real numbers and } x \neq 4\}$
 c. $\{x|x \text{ is all real numbers}\}$
 d. $\{x|x \text{ is } = 2\}$

[5] The product of the slopes of perpendicular lines is :

- a. 0 b. -2 c. -1 d. 2

[6] The slope of the line $y = 2x - 6$

- a. 3 b. -6 c. 2 d. 6

Q2: (2 marks)

a. Perform and simplify:

$$\frac{y}{5x} + \frac{1}{x}$$

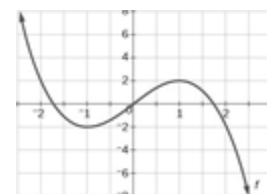
$$\frac{y+5}{5x}$$

b. Determine whether the graphs of the given pair of lines are parallel.

$$y = 4x - 1, y = 4x + 2$$

Yes, it is parallel

c. Determine if the graph is for a function or not.



Yes, it is a function