Yakeen NEET 2.0 2026

Physics By Manish Raj Sir

Basic Maths & Calculus (Mathematical Tools)
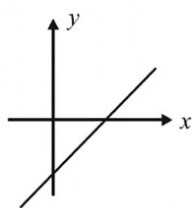
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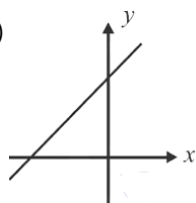**Q1** Find the slope of a line whose coordinates are $(1, 1)$ and $(3, 2)$

(A) $\frac{1}{3}$

(B) $\frac{1}{4}$

(C) 2

(D) $\frac{1}{2}$

Q2 Which graph is the best representation for the given equation, $y = 2x - 1$?
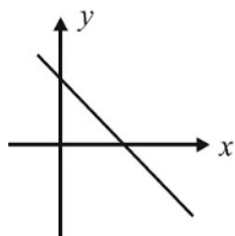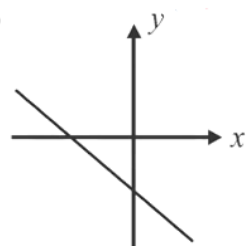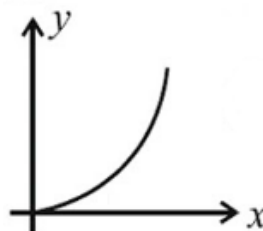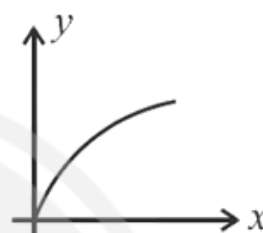
(A)

(B)

(C)

(D)

Q3 Which graph is the best representation for the given equation, $y \propto x^2$
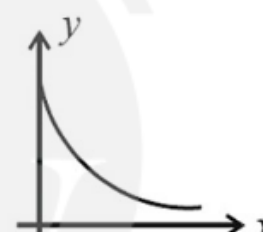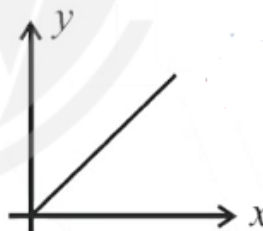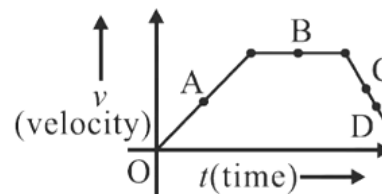
(A)

(B)

(C)

(D)

Q4 Distance between points (2,3,-7) and (-2,0,5) is

(A) 5 (B) 13

(C) $\sqrt{145}$ (D) $\sqrt{119}$

Q5 The slope of $v - t$ is zero at point:
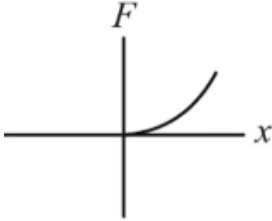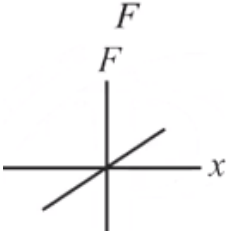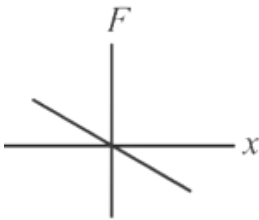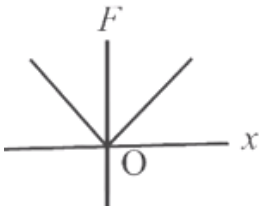

(A) A   (B) B

(C) C   (D) D

Q6 The slope of straight line $\sqrt{3}y = 3x + 4$ is

(A) 3

(B) $\sqrt{3}$

(C) $\frac{1}{\sqrt{3}}$

(D) $\frac{1}{3}$

Q7 The spring force is given by $F = -kx$, here k is a constant and x is the deformation of spring. The $F - x$ graph is
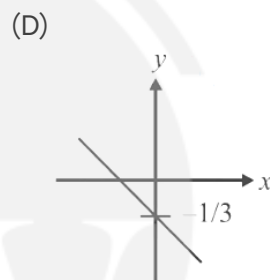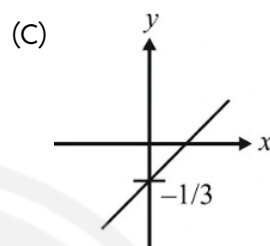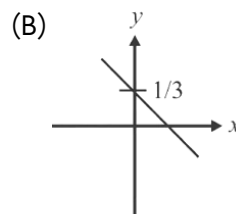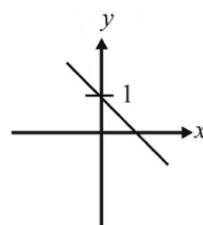
(A)

(B)

(C)

(D)

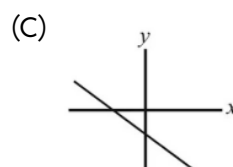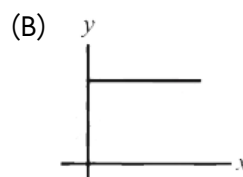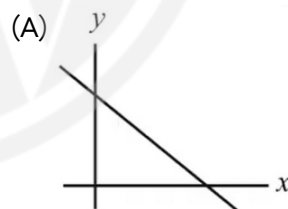**Q8** The equation of line is $2y = 3x - 6$ its x and y intercepts are

(A) $-3, 2$

(B) $3, -2$

(C) $2, -3$

(D) $-2, 3$
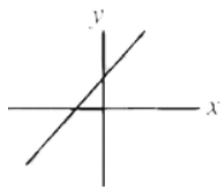
Q9 Correct graph of $3x + 3y + 1 = 0$ is:

(A)

(B)

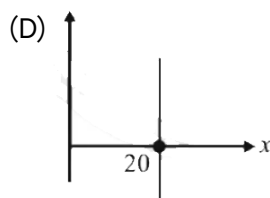(C)

(D)

Q10 In which of the following graph slope is positive.

(A)

(B)

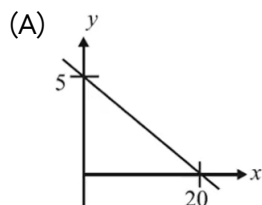

(C)

(D)

Q11 In which of the following graph slope is $+4$.

(A)

(B)

(C)

(D)
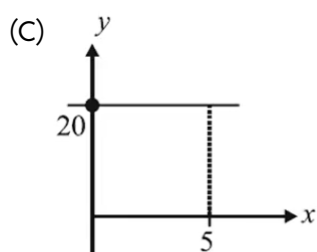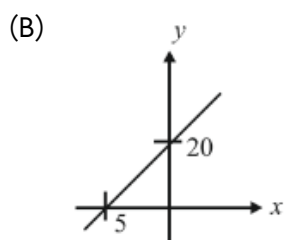
Q12 The equation of line making an angle $135°$ with the positive x-axis and passing through a point $(2, 3)$ will be:

(A) $y - x = 5$　　　　(B) $y = x - 5$

(C) $y - x = 1$　　　　(D) $y = -x + 5$

Answer Key

Q1	(D)		**Q7**	(C)
Q2	(A)		**Q8**	(C)
Q3	(A)		**Q9**	(D)
Q4	(B)		**Q10**	(D)
Q5	(B)		**Q11**	(B)
Q6	(B)		**Q12**	(D)

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