Yakeen NEET 2.0 2026

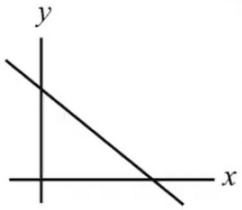
Physics By Saleem Sir

DPP: 3

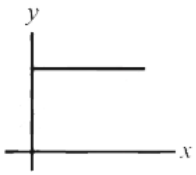
Basic Maths & Calculus (Mathematical Tools)

Q1 In which of the following graph slope is positive.

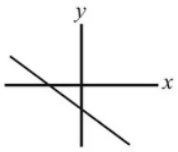
(A)



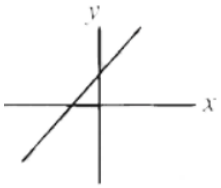
(B)



(C)

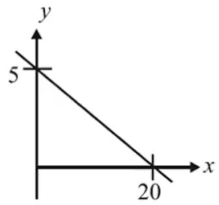


(D)

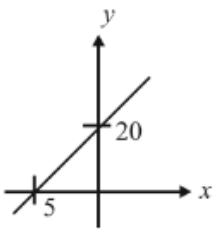


Q2 In which of the following graph slope is $+4$.

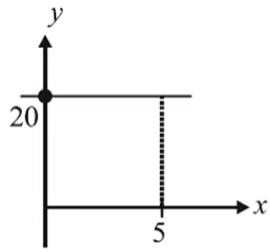
(A)



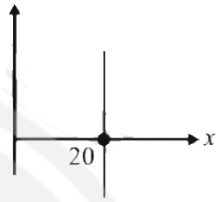
(B)



(C)

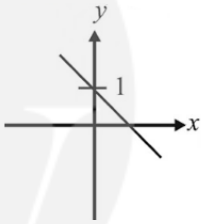


(D)

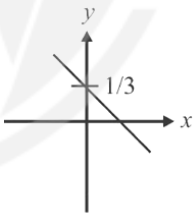


Q3 Correct graph of $3x + 3y + 1 = 0$ is:

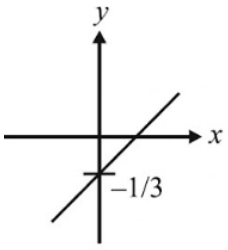
(A)



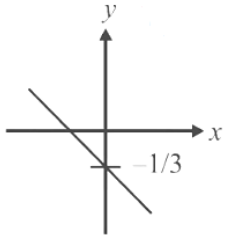
(B)



(C)



(D)



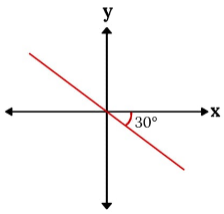
Q4 The equation of straight line having slope $\sqrt{3}$ and y intercept of -2 will be

(A) $y = \sqrt{3}x + 2$
(B) $y = \sqrt{3}x - 2$
(C) $y = -\sqrt{3}x - 2$
(D) $y = -\sqrt{3}x + 2$

Q5 What will be the slope of a line perpendicular to the line $2y + 3x = 5$

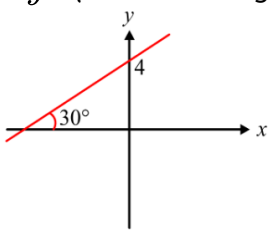
(A) $\frac{3}{2}$ (B) $-\frac{3}{2}$
(C) $\frac{2}{3}$ (D) $-\frac{2}{3}$

Q6 $x - y$ equation for the graph given below is:



(A) $y = -\frac{x}{\sqrt{3}}$
(B) $y = \frac{x}{\sqrt{3}}$
(C) $y = \frac{x}{\sqrt{3}} + 1$
(D) $y = \frac{-x}{\sqrt{3}} - 1$

Q7 $x - y$ equation for the graph is:

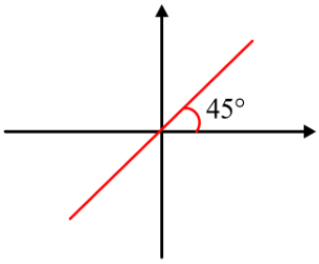


(A) $y = \frac{-x}{\sqrt{3}} + 4$
(B) $y = \frac{x}{\sqrt{3}} - 4$
(C) $y = \frac{x}{\sqrt{3}} + 4$
(D) $y = \frac{-x}{\sqrt{3}} - 4$

Q8 What is the slope of the given straight line $y = \sqrt{3}x - 2$

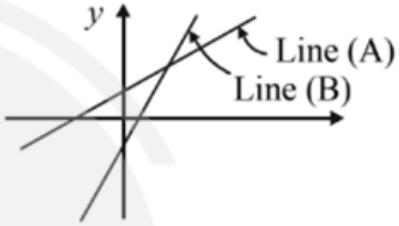
(A) - 2
(B) $\tan^{-1}(2)$
(C) $\tan^{-1}(\sqrt{3})$
(D) $\sqrt{3}$

Q9 For the graph given below write down their $x - y$ equations-



(A) $y = x$
(B) $y = x - 2$
(C) $y = \sqrt{3}x$
(D) $y = x + 1$

Q10 Which of the following statements is **not** correct for following straight line graph?



(A) Line (B) has negative y intercept
(B) Line (B) has positive y intercept
(C) Line (B) has positive slope
(D) Line (A) has negative slope

Answer Key

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