

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

LINEAR EQUATIONS IN TWO VARIABLES

SESSION -2024-25

CLASS - 9th

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Time : 1hr Linear Equations in two variables mm:

Q. 1. The point $(0, 3)$ lies on the graph of the linear equation $3x + 4y = 12$. (prove)

Q. 2. The graph of the linear equation $x + 2y = 7$ passes through the point $(0, 7)$. (prove)



Q. 3. If the point $(3, 4)$ lies on the graph of $3y = ax + 7$, then find the value of a .

Q. 4. How many solutions of the equation $2x + 1 = x - 3$ are there on the (i) Number line (ii) Cartesian plane

Q. 5. Find the solution of the linear equation $x + 2y = 8$ which represents a point on
(i) X-axis (ii) Y-axis.



Q. 6. For what value of c , the linear equation $2x + cy = 8$ has equal values of x and y for its solution?

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Q.7. Let y varies directly as x . If $y=12$
When $x=4$. Then write a linear equation.
What is value of y when $x=5$?



Q.8. Draw the graph of the linear equation
 $3x+4y=6$. at what points, the graph cuts
 x and y -axis ?



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