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Class 9

Linear Equations in Two Variables

Answer the questions

(1) In the graph of the linear equation 2x + 5y = 41, there is a point such that its ordinate is 3 less than its abscissa. Find coordinates of that point.

(2) A line passe through points (-4, -3) and (1, 2). Find the x-intercept of the line.

Choose correct answer(s) from given choice

(3) Equation **2x + 5y = 7** has a unique solution if x and y are

a. Real Numbers
b. Positive Real Numbers
c. Natural Numbers
d. Rational Numbers

(4) If both sides of a equation are divided by a non-zero number, then solution of the equation

a. Will also be divided by same number
b. May or may not change depending on the equation
c. Changes
d. Remains the same

(5) The equation of x-axis is

a. x = 0
b. x = y
c. x + y = 0
d. y = 0

(6) A telecom operator charges Rs. 0.9 for the first minute and Rs. 0.8 per minute for subsequent minutes of a call. If duration of call is represented as d, and amount charged is represented as c, find the linear equation for this relationship.

a. $c = 0.9d + 0.1$
b. $c = 0.8d + 0.1$
c. $c = 0.8d + 0.9$
d. $c = 0.9d + 0.8$