J&K POLICE PUBLIC SCHOOL MIRAN SAHIB JAMMU

Tr. GHANI SHAM   Assignment -5 (20 marks)

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Class : VII th   Subject : Mathematics

SECTION –A (1X10 = 10 MARKS)

Q1.Fill in the blanks

(a)The value of the variable for which the equation is satisfied is called--- of the equation.

(b)In an equation there is always ----sign.

(c) The equation for statement ' one -fourth of a number 'x' minus 4 gives 4'=----.

(d) Writ e the equation in statement form for, 3 p + 4 = 25 -------

(e)In an equation there is always an --- sign.

Q2.Multiple choice

(a) x = − 2 is the solution of the equation

   (i)x – 3 = − 5   (ii) x – 3 = 5   (iii) x − 3 = 8   (iv) x – 3 = − 8

(b) If we add 2 on both sides of the equation x − 3 = − 4, then we get

    (i) X – 2 = 1   (ii) x − 1 = − 2   (iii) x + 2 = − 6   (iv) None of these

(c) On multiplying by − 3 on both sides of the equation x − 7 = 4, we get

   (i) − 3x + 21 = − 12   (ii) − 3x − 21 = 12   (iii) 3x + 21 = 12   (iv) 3x − 7 = 7

(d) If we subtract − 5 from both sides of the equation x − 5 = 3, we get

   (i) x = − 8   (ii)   x = 2   (iii) x = 8   (iv)   x = 5

(e) The equation for the statement: The sum of four times x and 12 is 34

   (i) 4x +12 = 34   (ii) 12x + 4 = 34   (iii) 34x + 4 = 12   (iv) 34x + 12 = 4

SECTION - B   (2 X 2 = 4 MARKS)

Q3.Check whether the value given in the bracket is a solution to the given solution

   or not   7n + 5 = 19   (n+2)

Q4.Solve for 'p' $10p + 10 = 100$

SECTION - C (3 X 2 = 6MARKS)

Q5.Solve $5p + 2 = 17$ using hit and trial method

Q6.Solve : $2q - 6 = 0$