St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092
Session: 2023-2024 - Worksheet

| Class: VIII | Subject: Maths | Topic: Linear Equation | Worksheet No:11 |

Multiple Choice Questions

Q1. Which of the following is not a linear equation in one variable?

(a) 33z+5 = 0

(b) 33(x+y) = 0

(c) 33x+5 = 0

(d) 33y+5 = 0

Q2. The solution of 2x-3=7 is:
(a) 5
(b) 7
(c) 12
(d) 11

Q3. The difference between two whole numbers is 66. The ratio of the two numbers is 2: 5. The two numbers are:
(a) 60 and 6
(b) 100 and 33
(c) 110 and 44
(d) 99 and 33

Q4. In the equation 3x = 4-x, transposing -x to LHS we get
(a) 3x - x = 4
(b) 3x + x = 4
(c) -3x + x = 4
(d) -3x - x = 4

Q5. If x is an even number, which is the next odd number? (a)
x + 1
(b) x + 2
(c) x - 2

(d) x - 1

Q6. How old will I be after 10 years, if my age before 10 years was 'x' years?
(a) x + 20
(b) x - 20
(c) x + 10
(d) x - 10

Q7. The root of the equation $3a + 4 = 5a - 4$ is

(a) 1
(b) 2
(c) 3
(d) 4

Q8. The standard form of a linear equation in one variable x is
(a) $ax + b = 0$
(b) $ax^2 + bx + c = 0$
(c) $ax^3 + bx^2 + cx + d = 0$
(d) $ax4 + bx^3 + cx^2 + dx + e = 0.$

Q9. On subtracting 30 from two times a number, we get 56. This statement in the form of an equation is
(a) $2x - 30 = 56$
(b) $2x + 30 = 56$ (c) $30 - 2x = 56$ (d) $30+2x = 56.$

Q10. If a number is divided by 8 it gives 6 as the value. Find the number.
(a) 36
(b) 42
(c) 48
(d) 52