



INTERNATIONAL INDIAN SCHOOL, TABUK

TERM- 1 (SESSION: 2025-26)

PRACTICE SHEETS

CLASS: VIII B & G

SUBJECT: MATHEMATICS

TOPIC: LINEAR EQUATIONS IN ONE VARIABLE

1. The solution of the equation $ax + b = 0$ is

- (a) $x = \frac{a}{b}$ (b) $x = -b$ (c) $x = -\frac{b}{a}$ (d) $x = \frac{b}{a}$

2. The shifting of a number from one side of an equation to other is called

- (a) Transposition (b) Distributivity
(c) Commutativity (d) Associativity

3. The value of x for which the expressions $3x - 4$ and $2x + 1$ become equal is

- (a) -3 (b) 0 (c) 5 (d) 1

4. Linear equation in one variable has

- (a) only one variable with any power.
(b) only one term with a variable.
(c) only one variable with power 1.
(d) only constant term.

5. Which of the following is a linear expression:

(a) $x^2 + 1$

(b) $y + y^2$

(c) 4

(d) $1 + z$

6. A linear equation in one variable has

(a) Only one solution

(b) Two solutions

(c) More than two solutions

(d) No solution

7. solve the following equations:

a) $\frac{2x-1}{5} = \frac{3x+1}{3}$

b) $\frac{9-3y}{1-9y} = \frac{8}{5}$

c) $4(3p+2) - 5(6p-1) = 2(p-8) - 6(7p-4)$

d) $\frac{1}{2}(x+1) + \frac{1}{3}(x-1) = \frac{5}{12}(x-2)$

e) $\frac{8}{x} = \frac{5}{x-1}$