



S.N. Public High School
Indrapuri, Tajpur Road, Ludhiana
Academic Session: 2024-25

Assignment-I

Class: - 8th

Subject: - Mathematics

Note: Writing should be Neat and Clean.

Solve the following given Questions:-

1. Solve the equation and verify the result:
$$4x + 3 = 2(x-1) + 5$$
2. After 12 years, I shall be 3 times as old as was 4 years ago. Find my present age.
3. Solve the equation :
$$3(5x-7) - 2(9x-11) = 4(8x-13) - 17$$
4. Solve the equation : $n/2 - 3n/4 + 5n/6 = 21$
5. Solve the equation and verify the result :
$$3l-5 = 4(1+2)-6$$
6. The diagonals of a rhombus are 7.5cm and 12cm. Find its area.
7. Find curved and total surface area of a cylinder whose dimensions are $r = 7\text{cm}$, $h = 20\text{cm}$
8. Find the radius of cylinder whose curved surface area is 1056 sq.cm. and height 12cm.
9. Find volume of a cylinder having base area 1.54 sq. m and height 3.5m
10. Write the formulas of
 - i. Volume of cube
 - ii. Volume of cuboid
 - iii. Volume of cylinder
 - iv. Curved surface area of cylinder
 - v. Lateral surface area of cuboid
 - vi. Total surface area of cuboid