

## VII Class

### LINEAR EQUATIONS OF ONE VARIABLE

1. 'x' more than 4 is 9. Write the given statement in symbolic form \_\_\_\_ [ ]  
a)  $x-4$                       b)  $4+x = 9$                       c)  $x+4$                       d)  $x-4 = 13$
2. '5 times a number x is 12' is given by \_\_\_\_ [ ]  
a)  $4x = 12$                       b)  $5x = 12$                       c)  $5x$                       d)  $5+x = 12$
3. 'A number y divided by 6 gives 2' can be written in symbolic form as \_\_\_\_ [ ]  
a)  $y \div 6 = 2$                       b)  $y - 6$                       c)  $y+6 = 2$                       d)  $6y = 2$
4. A statement involving the symbol "=" is called \_\_\_\_ [ ]  
a) an inequality                      b) an equality                      c) a literal                      d) none
5. A statement of equality which involves literal number(s) is called \_\_\_\_ [ ]  
a) an equation                      b) an inequation                      c) a literal                      d) constant
6. In  $3x+2y = 14$ , L.H.S is \_\_\_\_\_ [ ]  
a) 14                      b)  $3x+2y$                       c)  $2x+3y$                       d)  $3x-2y$
7. An equation in which the highest power of the variables involved in one, is called a \_\_\_\_\_
8. The value of the unknown for which LHS of the equation is equal to the RHS, is called the \_\_\_\_\_ of the equation.
9. \_\_\_\_ is the root of the equation  $x-8 = -4$  [ ]  
a) -4                      b) 12                      c) -12                      d) 4
10. If  $3y+4 = 5y-4$ , find the value of y \_\_\_\_ [ ]  
a)  $y = -4$                       b)  $y = 4$                       c)  $y = 0$                       d)  $y = 8$
11.  $\frac{1}{3}x + 8 = 11$  then x = [ ]  
a) 8                      b) 7                      c) 9                      d) 25
12. If  $z - \frac{1}{4} = -3$  find z \_\_\_\_ [ ]  
a)  $11/4$                       b)  $-11/4$                       c) -12                      d) +12
13.  $\frac{y}{12} = 48$ , y = \_\_\_\_ [ ]  
a) 576                      b) 125                      c) 4                      d) 96
14. If  $11x+2 = -20$ , find the value of x \_\_\_\_ [ ]  
a) -3                      b) 3                      c) 2                      d) -2

15.  $2x - \frac{1}{2} = \frac{7}{2}$ , find x \_\_\_\_ [   ]  
a) 4                      b) 6                      c) 2                      d) -2
16.  $15x = 45$ , find x = \_\_\_\_ [   ]  
a) 60                      b) 3                      c) -60                      d) 30
17. If  $3z - 4 = 4 - (8 + 3z)$  find the value of z . [   ]  
a)  $z = 1$                       b)  $z = -1$                       c) 0                      d) -2
18. Find the root of the equation  $12x + 12 = 72$ . \_\_\_\_ [   ]  
a) 60                      b) 3                      c) -5                      d) 5
19. Find the root of the equation  $\frac{7x + 3}{2} = 19$ , \_\_\_\_ [   ]  
a) 5                      b) 35                      c) 38                      d)  $15/7$
20. The solution of  $10(2 - x) = 4(x - 9)$  is \_\_\_\_ [   ]  
a) -4                      b) 4                      c) 56                      d) 36