Chapter – 11

Algebra

Worksheet – 2

1. If x – 2 + 3 = 6, then find the value of x?
   a. 4
   b. 5
   c. 6
   d. 7
2. If x + 2 – 7 = 6, then find the value of x?
   a. 10
   b. 11
   c. 12
   d. 13
3. If x + y = 10, then value of x in terms of y is: -
   a. y – 10
   b. y – 11
   c. 10 – y
   d. y + 10
4. Coefficient of b in (– 9abc) is ____.
   a. – 9a
   b. – 9ac
   c. 9ac
   d. 9c
5. Numerical coefficient in 3abc is ____.
   a. 1
   b. 2
   c. 3
   d. 4
6. Numerical coefficient in $5a^2$ is –
   a. 2
   b. 5
   c. 7
   d. 9
7. If $\frac{y}{6}$ = 1, then y = _____.

a. 5

b. 6

c. 7

d. 8

8. Which of the following is an equation with two variables?

   a. $X + y = z$

   b. $X - y = z$

   c. $X + 2 = z$

   d. $X - y = -z$

9. 4 times x added to 14 is equal to ____.

   a. $14 - 4x$

   b. $14 + 4x$

   c. $4x - 14$

   d. $4(x + 14)$

10. 6 times x subtracted from y is equal to –

    a. $Y - 6x$

    b. $Y + 6x$

    c. $Y + 5x$

    d. $5x - y$

11. If the side of a regular pentagon is x, then find its perimeter?

12. Write algebraic expression for "7 times number x is less than 2 times variable z"?

13. If $x = 8$, then find the value of the following:

    a. $4x + 10$

    b. $8x$

    c. $2x - 5$

    d. $3(x - 2)$

14. If $x = 6$ and $y = 4$, then find the value of the following:

    a. $X + y + 5$

    b. $X + y - 8$

    c. $X - y + 2$

    d. $X - y - 5$

15. If $\frac{5}{7}x = 25$, then find the value of x?

16. Check whether $3x - 5 = 4x - 8$ is correct for which value of x?

17. Check whether $2z - 5 = 5z - 17$ is correct for which value of z?

18. Rajesh scored 30 marks in Math's, 50 in English and x marks in Hindi. Then what is his total score in all three subjects?
19. Neeta scored 40 marks in Math's, y marks in English and x marks in Hindi. Then what is her total score in all three subjects?
20. If Namrata scored 240 marks in three subjects and his marks in Math's and English are x and y respectively, then how much marks did she got in Hindi?