

**SUBJECT – MATHEMATICS, CLASS -VI**  
**CHAPTER -6(INTRODUCTION TO ALGEBRA)**  
**WORKSHEET (BASIC)**

**TIME - 45 MIN MAX.MARKS: 20**

**Choose the correct option: (1×2=2)**

1. 3 more than a number  $x$  is  
a)  $3x$     b)  $\frac{3}{x}$     c)  $\frac{x}{3}$     d)  $x+3$
2. Numerical coefficient in the term  $-5ab$  is  
a) 5    b) -5    c) 5a    d) 5b

**Fill in the blanks: (1×2=2)**

3. 7 added to  $q$  is -----.
4. 9 taken away from  $b$  is -----.

**Answer the following: (2×1 =2)**

5. Write the expression in words :  $3a + 7$
6. Write the terms of the algebraic expression :  $4m + 2n$

**Short answer type- I(2×2 =4)**

7. Subtract  $2x$  from  $5x$ .
8. (i) Identify the like terms  $3ba, -5a, 7ab, -2b$   
(ii) Write the expression whose terms are  $7m, -4n$  and  $8$

**Short answer type -II (3×2=6)**

9. Evaluate  $3p - 4q + r$  for  $p=2, q=-3$  and  $r=-5$
10. Find sum of  $-3a + 8b - 2c$ ,  $3a + 4c - 3b$  and  $-a - b - c$  by horizontal method.

**Long answer type question: (4×1=4)**

11. Three sides of a triangle are  $-2m - 5n$ ,  $4m + 2n$  and  $-m - n - 2$ . Find the Perimeter of the triangle.