# MODULE ¼ WORKSHEET 1

Example: Identify the terms, their coefficients for algebraic expression 9x-5y-z.

Solution : There are three terms 9x, -5x, -z in this expression.

Coefficient of 9x is 9.

Coefficient of -5y is -5.

Coefficient of –z is -1.

Try these:

1. Identify the terms, their coefficients for each of the following expression.

a.2x+7y

1. -6p+6q+r
2. 5a+b
3. 3x+7y-4z

Example: Identify the like and unlike terms .

1. 3x+4y+6x

Solution: 3x, 6x are like terms and 3x and 4y or 6x and 4y are unlike terms.

TRY THESE

1.Identify the like and unlike terms in following algebraic expression.

1. 10p+4q-3r
2. -6x+11y
3. 40a+51+11
4. -9x-5y+7z

Example: Add the following algebraic expression.

1. 2x+5y and 9x+2y+4z

Solution: 2x+9x+5y+2y+4z

= 11x+7y+4z

TRY THESE

1. Add the following
2. 7p+4q and 3p+2q.
3. a+3b+c, 2a+9c and 7c+7
4. 6p-q, 4q,9p-3 and p-q-r
5. 4x+5y, 5p+q and 6x-3y

Example: Subtracting the following algebraic expression.

1. 5p from 8p+6q

Solution: 8p+6q-5p

= 3p+6q

TRY THESE

1. Subtracting the following algebraic expression.
2. 9p+5q from 4p+7q
3. 10x+3y from 21x+31y
4. 4a-7b-c from 5a+b.
5. 7z-8 from 2z-9