EXERCISE 20(C)

Question 1.

Fill in the blanks :

(i) $2a + b - c = 2a + (.....)$

(ii) $3x - z + y = 3x - (.....)$

(iii) $6p - 5x + q = 6p - (.....)$

(iv) $a + b - c + d = a + (.....)$

(v) $5a + 4b + 4x - 2c = 4x - (.....)$

(vi) $7x + 2z + 4y - 3 = -3 + 4y + (.....)$

(vii) $3m - 2n + 6 = 6 - (.....)$

(viii) $2t + r - p - q + s = 2t + r - (.....)$

Solution:

(i) $2a + b - c = 2a + \mathbf{(b - c)}$

(ii) $3x - z + y = 3x - \mathbf{(z - y)}$

(iii) $6p - 5x + q = 6p - \mathbf{(5x - q)}$

(iv) $a + b - c + d = a + \mathbf{(b - c + d)}$

(v) $5a + 4b + 4x - 2c = 4x - \mathbf{(2c - 5a - 4b)}$

(vi) $7x + 2z + 4y - 3 = -3 + 4y + \mathbf{(7x + 2z)}$

(vii) $3m - 2n + 6 = 6 - \mathbf{(2n - 3m)}$

(viii) 2t + r – p – q + s = 2t + r – (p + q – s)

Question 2.

Insert the bracket as indicated :

(i) $x - 2y = -(.....)$

(ii) $m + n - p = -(.....)$

(iii) $a + 4b - 4c = a + (.....)$

(iv) $a - 3b + 5c = a - (.....)$

(v) $x^2 - y^2 + z^2 = x^2 - (.....)$

(vi) $m^2 + x^2 - p^2 = -(.....)$

(vii) $2x - y + 2z = 2z - (.....)$

(viii) $ab + 2bc - 3ac = 2bc - (.....)$

Solution:

(*i*) $x - 2y = -(2y - x)$

(*ii*) $m + n - p = -(p - m - n)$

(*iii*) $a + 4b - 4c = a + (4b - 4c)$

(*iv*) $a - 3b + 5c = a - (3b - 5c)$

(*v*) $x^2 - y^2 + z^2 = x^2 - (y^2 - z^2)$

(*vi*) $m^2 + x^2 - p^2 = -(p^2 - m^2 - x^2)$

(*vii*) $2x - y + 2z = 2z - (y - 2x)$

(*viii*) $ab + 2bc - 3ac = 2bc - (3ac - ab)$