

## EX-20 B

i)  $(23-15)+4$

The value of the given expression

$(23-15)+4$  is calculated as follows

$$(23-15)+4 = 8+4$$

We get,

$$= 12$$

Hence the value of the given

expression  $(23-15)+4 = 12$

ii)  $5x + (3x + 7x)$

The value of the expression  $5x +$

$(3x + 7x)$  is calculated as

follows

$$5x + (3x + 7x) = 5x + 10x$$

We get,

$$= 15x$$

Hence the value of the

expression  $5x + (3x + 7x) = 15x$

iii)  $6m - (4m - m)$

The value of the expression

$6m - (4m - m)$  is calculated as

follows

$$6m - (4m - m) = 6m - 3m$$

we get,

$$= 3m$$

Hence, the value of the expression

$$6m - (4m - m) = 3m$$

(iv)  $(9a - 3a + 4a$

The value of the expression  $(9a - 3a) + 4a$  is calculated as follows

$$(9a - 3a) + 4a = 6a + 4a$$

we get,

$$= 10a$$

Hence, the value of expression

$$(9a - 3a) + 4a = 10a$$

v)  $35b - (16b + 9b)$

The value of the expression

$$35b - (16b + 9b) \text{ is calculated as follows } 35b - (16b + 9b) =$$

$$35b - 25b$$

we get,

$$= 10b$$

Hence, the value of the expression

$$35b - (16b + 9b) = 10b$$

(Q) i)  $12x - (5x + 7x) = 12x - 12x$   
we get,  
 $= 0$

ii)  $10m + (4n - 3n) - 5n = 10m + n - 5n$   
we get,  $= 10m - 4n$

iii)  $(156 - 66) - (86 + 46) = 96 - 132$   
 we get,  
 $= -36$

iv)  $-(-4a - 9a) = -(-12a)$   
 we get,  
 $= 12a$

v)  $x - (x - y) - (-x + y) = x - x + y + x - y$   
 we get,  
 $= x$

vi)  $x - (y - 2) + x + (y - 2) + y - (2 + x)$   
 $= x - y + 2 + x + y - 2 + y - 2 - x$   
 we get,  
 $= 2x + y - 2$

vii)  $x + y - z = z$

$x - [y + \{x - (y + x)\}] = x - [y + \{x - y - x\}]$   
 $= x - [y + \{x - y - x\}]$   
 $= x - [y + x - y - x]$   
 we get,  
 $= x$

viii)  $4x + 3$       $(3x - 5y) =$   
~~The Simple~~

$4x + 3(2x - 5y) = 4x + 6x - 15y$   
 we get,  
 $= 10x - 15y$

$$IV) R(a+b) - 5(a-3b) = 6a - 9b - 5a + 15b$$

we get,  
 $2a + 6b$

$$V) P+2(Q-N+P) = P+2(Q-N-P)$$
$$= P + 2Q - 2N - 2P$$

we get,  
 $2Q - 2N - P$