Question 1.

Simplify combining like terms:

(i) 21b -32 + 7b- 206

(ii) $-z^2 + 13z2 -5z + 7z^3 - 15^2$

(iii) p – (p – q) – q – (q – p)

(iv) 3a – 2b — ab – (a – b + ab) + 3ab + 6 – a

(v) $5x^2y - 5x^2 + 3yx^2 - 3y^2 + x^2 - y^2 + 8xy^2 -3y^2$ (vi) $(3y^2 + 5y - 4) - (8y - y^2 - 4)$

Question 2. Add: (i) 3mn, -5mn, 8mn, -4mn

(ii) t – 8tz, 3tz, -z, z – t

(iii) -7mn + 5, 12mn + 2, 9mn – 8, -2mn – 3

(iv) a + b – 3, b – a + 3, a – b + 3

(v) 14x + 10y – 12xy – 13, 18 – 7x – 10y + 8xy, 4xy

(vi) 5m – 7n, 3n – 4m + 2, 2m – 3mn – 5

(vii) $4x^2y$, $-3xy^2$, $-5xy^2$, $5x^2y$

(viii) $3p^2q^2 - 4pq + 5$, $-10p^2q^2$, $15 + 9pq + 7p^2q^2$

(ix) ab – 4a, 4b – ab, 4a – 4b (x) $x^2 - y^2 - 1$, $y^2 - 1 - x^2$, $1 - x^2 - y^2$.