

$$2 \text{ (vii)} (xyz-4)(xyz-2)$$

$$= (xyz)^2 + [(-4) + (-2)]xyz + (-4)(-2)$$

$$= x^2y^2z^2 - 6xyz + 8$$

$$3 \text{ (i)} (b-7)^2$$

$$= b^2 - 2 \times b \times 7 + 7^2$$

$$= b^2 - 14b + 49$$

$$3 \text{ (ii)} (xy + 3z)^2$$

$$= (xy)^2 + 2 \times xy \times 3z + (3z)^2$$

$$= x^2y^2 + 6xyz + 9z^2$$

$$3 \text{ (iii)} (6x^2 - 5y)^2$$

$$= (6x^2)^2 - 2 \times 6x^2 \times 5y + (5y)^2$$

$$= 36x^4 - 60x^2y + 25y^2$$

$$3 \text{ (iv)} \left(\frac{2}{3}m + \frac{3}{2}n\right)^2$$

$$= \left(\frac{2}{3}m\right)^2 + 2 \times \frac{2}{3}m \times \frac{3}{2}n + \left(\frac{3}{2}n\right)^2$$

$$= \frac{4}{9}m^2 + 2mn + \frac{9}{4}n^2$$