

$$1 \text{ (i)} (2x+5)(4x-3)$$

$$= 2x(4x-3) + 5(4x-3)$$

$$= 8x^2 - 6x + 20x - 15$$

$$= 8x^2 + 14x - 15$$

1 (ii)

$$\begin{array}{r} y-8 \\ \times 3y-4 \\ \hline \end{array}$$

$$3y^2 - 24y$$

$$- 4y + 32$$

$$\hline 3y^2 - 28y + 32$$

$$1 \text{ (iii)} (2.5l - 0.5m)(2.5l + 0.5m)$$

$$= 2.5l(2.5l + 0.5m) - 0.5m(2.5l + 0.5m)$$

$$= 6.25l^2 + 1.25ml - 1.25ml - 0.25m^2$$

$$= 6.25l^2 - 0.25m^2$$

1 (iv)

$$a + 3b$$

$$\times \quad x + 5$$

$$\hline ax + 3bx$$

$$+ 5a + 15b$$

$$\hline ax + 3bx + 5a + 15b$$