

$$\begin{aligned} 1 \text{ (i)} \quad & 4p(q+r) \\ & = 4pq + 4pr \end{aligned}$$

$$\begin{aligned} \text{(ii)} \quad & ab(a-b) \\ & = a^2b - ab^2 \end{aligned}$$

$$\begin{aligned} \text{(iii)} \quad & (a+b)7a^2b^2 \\ & = 7a^3b^2 + 7a^2b^3 \end{aligned}$$

$$\begin{aligned} \text{(iv)} \quad & (a^2-9)4a \\ & = 4a^3 - 36a \end{aligned}$$

$$\begin{aligned} \text{(v)} \quad & (pq+qr+rp)0 \\ & = 0 + 0 + 0 \\ & = 0 \end{aligned}$$

$$\begin{aligned} 2 \text{ (i)} \quad & a(b+c+d) \\ & = ab + ac + ad \end{aligned}$$

$$\begin{aligned} \text{(ii)} \quad & (x+y-5)5xy \\ & = 5x^2y + 5xy^2 - 25xy \end{aligned}$$

$$\begin{aligned} \text{(iii)} \quad & p(6p^2-7p+5) \\ & = 6p^3 - 7p^2 + 5p \end{aligned}$$