

155

$$\begin{aligned}A &= (x+3)(x-2) - (x-3)(x+2) \\ &= x^2 - 2x + 3x - 6 - [x^2 + 2x - 3x - 6] \\ &= x^2 + x - 6 - x^2 - 2x + 3x + 6 \\ &= 2x\end{aligned}$$

$$\begin{aligned}B &= (2x-1)(2x+4) - (3-x)^2 \\ &= 4x^2 + 8x - 2x - 4 - [3^2 - 2 \times 3 \times x + x^2] \\ &= 4x^2 + 6x - 4 - [9 - 6x + x^2] \\ &= 4x^2 + 6x - 4 - 9 + 6x - x^2 \\ &= 3x^2 + 12x - 13\end{aligned}$$