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$$\begin{aligned}A &= (2x + 3)(x - 1) \\ &= 2x^2 - 2x + 3x - 3 \\ &= 2x^2 + x - 3\end{aligned}$$

$$\begin{aligned}B &= (3x + 4)^2 \\ &= (3x)^2 + 2 \times 3x \times 4 + 4^2 \\ &= 9x^2 + 24x + 16\end{aligned}$$

$$\begin{aligned}C &= (x - 5)^2 \\ &= x^2 - 2 \times x \times 5 + 5^2 \\ &= x^2 - 10x + 25\end{aligned}$$