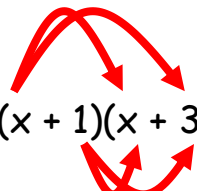


Expanding pairs of brackets


$$\begin{aligned}(x + 1)(x + 3) &= x^2 + 3x + x + 3 \\ &= x^2 + 4x + 3\end{aligned}$$

$$(x + 1)(x + 4) = x^2 + 5x + 4$$

$$(x + 2)(x + 7) = x^2 + 9x + 14$$

$$(x + 8)(x + 1) = x^2 + 9x + 8$$

$$(x + 3)(x - 7) = x^2 - 4x - 21$$

$$(x - 6)(x + 2) = x^2 - 4x - 12$$

$$(x - 3)(x - 4) = x^2 - 7x + 12$$

$$(2x + 4)(x + 3) = 2x^2 + 10x + 12$$

$$(3y + 2)(4y + 2) = 12y^2 + 14y + 4$$

$$(2y - 1)(y + 3) = 2y^2 + 5y - 3$$