Fill in the Blanks | Factorising Quadratics using a Grid

Quadratic Expression	Expanded Expression	Grid	Factorised Expression
$x^2 + 9x + 20$	$x^2 + 5x + 4x + 20$	$\times$ | x | $+5$ x | x^2 | $+5x$ $+4$ | $+4x$ | $+20$	$(x + 5)(x + 4)$
$x^2 + 12x + 27$	$x^2 + 9x + 3x + 27$	$\times$ | x | $+9$ x | x^2 | $+9x$ $+3$ | $+3x$ | $+27$	$(x + 9)(x + 3)$
$x^2 + 7x + 12$	$x^2 + 4x + 3x + 12$	$\times$ | x | $+4$ x | x^2 | $+4x$ $+3$ | $+3x$ | $+12$	$(x + 4)(x + 3)$
$x^2 - 8x + 15$	$x^2 - 3x - 5x + 15$	$\times$ | x | -3 x | x^2 | $-3x$ -5 | $-5x$ | $+15$	$(x - 3)(x - 5)$
$x^2 + 4x - 12$	$x^2 + 6x - 2x - 12$	$\times$ | x | $+6$ x | x^2 | $+6x$ -2 | $-2x$ | -12	$(x + 6)(x - 2)$
$x^2 + 3x - 10$	$x^2 + 5x - 2x - 10$	$\times$ | x | $+5$ x | x^2 | $+5x$ -2 | $-2x$ | -10	$(x + 5)(x - 2)$
$x^2 - 8x - 9$	$x^2 + x - 9x - 9$	$\times$ | x | $+1$ x | x^2 | $+x$ -9 | $-9x$ | -9	$(x + 1)(x - 9)$