

Fill in the Blanks

Expanding Double Brackets

Double Brackets Form	Grid			Expanded Form	Simplified Expanded Form
$(x + 2)(x + 3)$	×	x	+2	$x^2 + 2x + 3x + 6$	
	x	x^2	+2 x		
	+3	+3 x	+6		
$(x + 7)(x + 4)$	×	x	+7		
	x	x^2	+7 x		
	+4	+4 x	+28		
$(x + 6)(x + 2)$	×	x	+6		
	x				
	+2				
$(x + 5)(x - 3)$	×	x	+5		
	x				
	-3	-3 x	-15		
$(x - 4)(x + 9)$	×	x	-4		
	x				
	+9				
$(x + 1)(x - 3)$	×	x	+1		
	x				
	-3				

Double Brackets Form	Grid			Expanded Form	Simplified Expanded Form
$(x - 5)(x + 2)$	×	x	-5		
	x				
	$+2$				
$(x - 4)(x - 6)$	×	x	-4		
	x		$-4x$		
	-6	$-6x$	$+24$		
$(x - 1)(x - 7)$	×	x	-1		
	x				
	-7				
$(x - 5)(x - 8)$	×	x	-5		
	x				
	-8				
	×			$x^2 + 5x + 6x + 30$	
	×			$x^2 + 7x - 3x - 21$	
	×				$x^2 + 11x + 24$