

FACTORING PUZZLE

Cutout all the pieces. Then match the equivalent expressions. Show all work on a separate sheet of paper.

	$x^2-4x-12$	$(9-x)(2+x)$		x^2-16	$(4-x)(4+x)$		$6x^2+13x+6$	$(3+x^2)(2+x^3)$	
x^2+6x+9			$x^2-10x+24$			$25x^2-16$			$6x^2+41x+30$
$(x+3)^2$			$(x-4)(x-6)$			$(5x-4)(5x+4)$			$(x+6)(6x+5)$
	$x^2+3x-18$	$(9+x)(3-x)$		$x^2+6x-16$	$(8+x)(2-x)$		$9x^2+12x+4$	$2(2+x^3)$	
$4x^2-25$			x^2-9			$16x^2-1$			$x^2-7x+12$
$(2x+5)(2x-5)$			$(x+3)(x-3)$			$(4x-1)(4x+1)$			$(x-4)(x-3)$
	$(x^2-6x-16)$	$(8-x)(2+x)$		$x^2-2x-15$	$(5-x)(3+x)$		$4x^2+x-5$	$(4x+5)(x-1)$	
x^2+4x+3			$7x^2-19x+10$			$9x^2-4$			$x^2-8x+16$
$(x+3)(x+1)$			$(7x-5)(x-2)$			$(3x-2)(3x+2)$			$(x-4)^2$
	$4x^2+20x+25$	$2(5+x^2)$		$3x^2+2x-1$	$(1+x)(1-x^3)$		x^2-x-12	$(4-x)(3+x)$	

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Cutout all the pieces. Then match the equivalent expressions. Show all work on a separate sheet of paper.

	$(7x-5)(x-2)$	
$(2x+5)^2$		$3x^2+2x-1$

	$(4x-1)(4x+1)$	
$(5-x)(3+x)$		$4x^2+x-5$
	$9x^2-4$	

	$(x+3)^2$	
		$x^2+3x-18$
	$4x^2-25$	

$(3x+2)(2+x)$		
	$6x^2+41x+30$	

	$(5x-4)(5x+4)$	
$(8+x)(2-x)$		$9x^2+12x+4$
	$16x^2-1$	

	$(3x-2)(3x+2)$	
$(1+x)(1-3x)$		x^2-x-12

$(4-x)(4+x)$		$6x^2+13x+6$
	$25x^2-16$	

	$(2x+5)(2x-5)$	
		$(x^2-6x-16)$
	x^2+4x+3	

$(9-x)(2+x)$		x^2-16
	$x^2-10x+24$	

	$(x-4)^2$	
$(4-x)(3+x)$		

	$(x-4)(x-6)$	
$(9+x)(3-x)$		$x^2+6x-16$
	x^2-9	

		$x^2-4x-12$
	x^2+6x+9	

	$(x+6)(6x+5)$	
$(2+3x)^2$		
	$x^2-7x+12$	

	$(x+3)(x-3)$	
$(8-x)(2+x)$		$x^2-2x-15$
	$7x^2-19x+10$	

	$(x-4)(x-3)$	
$(4x+5)(x-1)$		
	$x^2-8x+16$	

	$(x+3)(x+1)$	
		$4x^2+20x+25$

MY FACTORING PUZZLE

(name)