

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