

Algebra I: Factoring 1
Cut the squares apart.
Match equivalent expressions.
You should get a new 4 X 4 square.

	$(x-2)(x+2)$		$(4x-1)^2$		$(6x+1)(x-2)$		$(x+1)(x-1)$	
$(4-5x)^2$		$x^2-4x-12$	$(9-x)(2+x)$		$(4-x)(4+x)$	$6x^2+13x+6$	$(3+x^2)(2+x^2)$	$x^2-14x+24$
	x^2+6x+9		$x^2-10x+24$		$25x^2-16$		$6x^2+41x+30$	
	$(x+3)^2$		$(x-4)(x-6)$		$(5x-4)(5x+4)$		$(x+6)(6x+5)$	
$(6-x)(2-x)$		$x^2+3x-18$	$(9+x)(3-x)$	$x^2+6x-16$	$(8+x)(2-x)$	$9x^2+12x+4$	$x^2(2+x^2)$	$x^2+7x-18$
	$4x^2-25$		x^2-9		$16x^2-1$		$x^2-7x+12$	
	$(2x+5)(2x-5)$		$(x+3)(x-3)$		$(4x-1)(4x+1)$		$(x-4)(x-3)$	
$(5+x)(2+x)$		$(x^2-6x-16)$	$(8-x)(2+x)$	$x^2-2x-15$	$(5-x)(3+x)$	$4x^2+x-5$	$(4x+5)(x-1)$	$6x^2-x-2$
	x^2+4x+3		$7x^2-19x+10$		$9x^2-4$		$x^2-8x+16$	
	$(x+3)(x+1)$		$(7x-5)(x-2)$		$(3x-2)(3x+2)$		$(x-4)^2$	
$(1+x^2)(5-x^2)$		$4x^2+20x+25$	$x^2(5+x^2)$	$3x^2+2x-1$	$(1+x)(1-x^2)$	x^2-x-12	$(4-x)(3+x)$	x^2+16
	$25x^2+20x+4$		x^2+9		$x^2+3x-10$		x^2-15	

Algebra I: Factoring 2
Cut the squares apart.
Match equivalent expressions.
You should get a new 4 X 4 square.

	x^2+3x+2			$(x-3)(x-4)$			$2x^2+8x-10$			x^2-y^2	
y^2+y+12		$(x+y)(x+y)$	$9+5y+y^2$		$-2x^2+4x+6$	$5+x^2+x^2$		$(y-5)(y-2)$	y^2-y-12		$(x+1)(x+1)$
	$(x-3)(x+4)$			$(2x-1)(x-3)$			$(2x+1)(x-1)$			$(x-5)(x+1)$	
	$(1-y)(2-y)$			x^2+5x+6			$6x^2+5x-4$			$(x+7)(x-1)$	
$4-x-4$ $6x^2-5x-4$		$2x^2+5x-3$	y^2+xy+y^2 $2x^2+x^2$		$(y+3)(y+2)$	$21+13y+3y^2$		$-2x^2-4x+6$	$4+x^2-6x$		$(2+x)(1-x)$
	$y^2-7y+10$			$(2x-1)(x-1)$			$(3x-4)(2x-1)$			$2(x+1)(x-5)$	
	$2x^2-x-1$			$2x^2-4x+6$			$-x^2-2x-3$			$(x-3)(x-3)$	
$2xy+xy^2$ $x^2-2xy-x^2$		$(x-7)(2x-3)$	$4+x^2-2x^2$ x^2-9		$(5x-2)(x+3)$	$2+x^2-x^2$		$(4+3y)(3+y)$	$9-x^2+5x^2$		$(x+4)(x-4)$
	$(x+2)(x+3)$			$2(3+x)(1-x)$			$2(x+5)(x-1)$			y^2-3y+2	
	$2x^2+4x-6$			$(x-y)(x-y)$			$(3-x)(1+x)$			$(2x-1)(x+3)$	
$5-4x-x^2$		$(x-5)(x-1)$	$6-x^2$		$(x+1)(x+2)$	$10-x^2-8x$		$(x-3)(x+3)$	$12+x^2+17x$		$(y-4)(y+3)$
	$2(1+x)(3-x)$			x^2+9			x^2+y^2			$x^2-7x+12$	