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

The puzzle consists of 16 square tiles arranged in a 4×4 grid. Each tile has an expression printed along its top, left, right, and bottom edges (left/right edges are printed in vertical text).

Band 1 (top row of tiles)

	Tile 1	Tile 2	Tile 3	Tile 4
Top	(x-2)(x+2)	(4x-1)²	(6x+1)(x-2)	(x+1)(x-1)
Left	(5x-4)²	(9-x)(2+x)	(4-x)(4+x)	(3x+2)(2x+3)
Right	x²-4x-12	x²-16	6x²+13x+6	x²-14x+24
Bottom	x²+6x+9	x²-10x+24	25x²-16	6x²+41x+30

Band 2

	Tile 5	Tile 6	Tile 7	Tile 8
Top	(x+3)²	(x-4)(x-6)	(5x-4)(5x+4)	(x+6)(6x+5)
Left	(6-x)(2-x)	(9+x)(3-x)	(8+x)(2-x)	(3+x)²
Right	x²+3x-18	x²+6x-16	9x²+12x+4	x²+7x-18
Bottom	4x²-25	x²-9	16x²-1	x²-7x+12

Band 3

	Tile 9	Tile 10	Tile 11	Tile 12
Top	(2x+5)(2x-5)	(x+3)(x-3)	(4x-1)(4x+1)	(x-4)(x-3)
Left	(5+x)(2+x)	(8-x)(2+x)	(5-x)(3+x)	(4x+5)(x-1)
Right	(x²-6x-16)	x²-2x-15	4x²+x-5	6x²-x-2
Bottom	x²+4x+3	7x²-19x+10	9x²-4	x²-8x+16

Band 4 (bottom row of tiles)

	Tile 13	Tile 14	Tile 15	Tile 16
Top	(x+3)(x+1)	(7x-5)(x-2)	(3x-2)(3x+2)	(x-4)²
Left	(2x-5)(2x+1)	(5+x)²	(1+x)(1-x)	(4-x)(3+x)
Right	4x²+20x+25	3x²+2x-1	x²-x-12	x²+16
Bottom	25x²+20x+4	x²+9	x²+3x-10	x²-15

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		$(x+y)(x+y)$	y^2+5y+6		$-2x^2+4x+6$	$-x^2+2x+3$		$(y-5)(y-2)$	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			$6x^2+5x-4$			$(x+7)(x-1)$	
$6x^2-5x-4$		$2x^2+5x-3$	$x^2+2xy+y^2$		$(y+3)(y+2)$	$3y^2+13y+12$		$-2x^2-4x+6$	x^2-6x+7		$(2+x)(1-x)$
	$y^2-7y+10$			$(2x-1)(x-1)$			$(3x-4)(2x-1)$			$2(x+1)(x-5)$	
	$2x^2-x-1$			$2x^2-4x+6$			$- x^2-2x-3$			$(x-3)(x-3)$	
$x^2-2xy+y2$		$(x-7)(2x-3)$	$6x^2-5x+4$		$(5x-2)(x+3)$	$-x^2-x+2$		$(4+3y)(3+y)$	$5x^2+13x-9$		$(x+4)(x-4)$
	$(x+2)(x+3)$			$2(3+x)(1-x)$			$2(x+5)(x-1)$			y^2-3y+2	
	$2x^2+4x-6$			$(x-y)(x-y)$			$(3-x)(1+x)$			$(2x-1)(x+3)$	
x^2-4x-5		$(x-5)(x-1)$	x^2-9		$(x+1)(x+2)$	$2x^2-8x-10$		$(x-3)(x+3)$	$2x^2-17x+21$		$(y-4)(y+3)$
	$2(1+x)(3-x)$			x^2+9			x^2+y^2			$x^2-7x+12$	