

Factoring Quadratics

Cut the square into smaller squares. Put the pieces together again making sure all sides touch equivalent expressions.

$x^2 + 19x + 90$ 4 $x^2 - 16$	$x^2 + 5x + 6$ 12 $x^2 - 8$	$x^2 - 4x + 4$ 16 $5x^2 - x^2$	$(x-3)^2$ $(x-3)(x-1)$	$x^2 - 18x + 81$ 8 $9 + 5x - 5x + 6$	$x^2 + 19x + 90$ $(x-5)^2$
$x^2 - 12x + 27$ 15 $11 - x^2$	$x^2 - 4 - x^2$ 11 $(x-1)^2$	$x^2 - 14x + 49$ 10 $01 - 3x - 2x$	$(x-4)(x+4)$ $(x+2)(x+3)$	$x^2 - 100$ 7 $91 + x8 - x^2$	$x^2 + 17x + 72$
$x^2 + 15x + 44$ 14 $6 + x9 - x^2$	$(x-3)(x+2)$ $(x-9)(x+9)$	$x^2 - 1 - x^2$ 9 $06 + x11 + x^2$	$(x-4)(x+5)$ $x^2 + 7x + 12$	$x^2 - 49$ 3 $6 - x^2$	$x^2 - 4x + 3$
$(x+5)(x+2)$ 13 $02 - x + x^2$	$x^2 + 4$ $(x-9)^2$	$x^2 - 18x + 77$ 6 $9 - x - x^2$	$(x-3)(x-2)$	$18 - x^2$ 5 $52 + x01 - x^2$	$(x-4)^2$
$1 + x^2 - x^2$ 1 $x^2 + 5x + x^2 + 25$	$20 + x6 + x^2$ $x^2 - 4x + 16$	$x^2 - 4x + 3$ 2 $01 + x7 + x^2$	$(x-3)(x+3)$	$6 + x01 + x^2$ 3 $x^2 - 49$	$x^2 + 19x + 90$ $(x-2)(x+2)$

