6-1 Multiplication of Binomials

$(x-5)(x-5)$

F O I L

$x^2 - 5x - 5x + 25$

$x^2 - 10x + 25$

$(3x-5)(5x+8)$

F O I L

$15x^2 + 24x - 25x - 40$

$15x^2 - x - 40$

$(3x-5)(3x+5)$

F O I L

$9x^2 + 15x - 15x - 25$

$9x^2 - 25$

$(x-2)(x-3)$

F O I L

$x^2 - 3x - 2x + 6$

$x^2 - 6x + 6$

@ $(x+3)(x+5)$

$x^2 + 5x + 3x + 15$

$x^2 + 8x + 15$

$(v+5)(v+1)$

$v^2 + v + 5v + 5$

$v^2 + 6v + 5$

$(x+9)(x+5)$

$x^2 + 5x + 9x + 45$

$x^2 + 14x + 45$

$(y+3)(y+2)$

$y^2 + 2y + 3y + 6$

$y^2 + 5y + 6$

ⓑ $(t+1)(t+3)$

$t^2 + 3t + t + 3$

$t^2 + 4t + 3$

$(x+10)(x+3)$

$x^2 + 3x + 10x + 30$

$x^2 + 13x + 30$

$(x+4)(x+5)$

$x^2 + 5x + 4x + 20$

$x^2 + 9x + 20$

$(y+7)(y+6)$

$y^2 + 6y + 7y + 42$

$y^2 + 13y + 42$

ⓒ $(x+7)(x+3)$

$x^2 + 3x + 7x + 21$

$x^2 + 10x + 21$

$(x+8)(x+7)$

$x^2 + 7x + 8x + 56$

$x^2 + 15x + 56$

$(x+7)(x+9)$

$x^2 + 9x + 7x + 63$

$x^2 + 16x + 63$

$(x+6)(x+8)$

$x^2 + 8x + 6x + 48$

$x^2 + 14x + 48$

ⓓ $(x+5)(x+7)$

$x^2 + 7x + 5x + 35$

$x^2 + 12x + 35$

$(x+8)(x+3)$

$x^2 + 3x + 8x + 24$

$x^2 + 11x + 24$

$(x+9)(x+8)$

$x^2 + 8x + 9x + 72$

$x^2 + 17x + 72$

$(x+12)(x+11)$

$x^2 + 11x + 12x + 132$

$x^2 + 23x + 132$

ⓔ $(x-3)(x-5)$

$x^2 - 5x - 3x + 15$

$x^2 - 8x + 15$

$(v-5)(v-1)$

$v^2 - v - 5v + 5$

$v^2 - 6v + 5$

$(x-9)(x-5)$

$x^2 - 5x - 9x + 45$

$x^2 - 14x + 45$

$(y-3)(y-2)$

$y^2 - 2y - 3y + 6$

$y^2 - 5y + 6$

ⓕ $(t-1)(t-3)$

$t^2 - 3t - t + 3$

$t^2 - 4t + 3$

$(x-10)(x-3)$

$x^2 - 3x - 10x + 30$

$x^2 - 13x + 30$

$(x-4)(x-5)$

$x^2 - 5x - 4x + 20$

$x^2 - 9x + 20$

$(y-7)(y-6)$

$y^2 - 6y - 7y + 42$

$y^2 - 13y + 42$

ⓖ $(x-7)(x-3)$

$x^2 - 3x - 7x + 21$

$x^2 - 10x + 21$

$(x-8)(x-7)$

$x^2 - 7x - 8x + 56$

$x^2 - 15x + 56$

$(x-7)(x-9)$

$x^2 - 9x - 7x + 63$

$x^2 - 16x + 63$

$(x-6)(x-8)$

$x^2 - 8x - 6x + 48$

$x^2 - 14x + 48$