

Catheti	Catheti	Hypotenuse	Catheti	Catheti	Hypotenuse
3	4	5	28	45	53
5	12	13	48	55	73
8	15	17	33	56	65
20	21	29	11	60	61
7	24	25	16	63	65
12	35	37	65	72	97
9	40	41	36	77	85

Quadratic equation factors

	x-4	x-3	x-2	x-1	x	x+1	x+2	x+3
x-9	$x^2-13x+36$	$x^2-12x+27$	$x^2-11x+18$	$x^2-10x+9$	x^2-9x	x^2-8x-9	$x^2-7x-18$	$x^2-6x-27$
x-8	$x^2-12x+32$	$x^2-11x+24$	$x^2-10x+16$	x^2-9x+8	x^2-8x	x^2-7x-8	$x^2-6x-16$	$x^2-5x-24$
x-7	$x^2-11x+28$	$x^2-10x+21$	$x^2-9x+14$	x^2-8x+7	x^2-7x	x^2-6x-7	$x^2-5x-14$	$x^2-4x-21$
x-6	$x^2-10x+24$	$x^2-9x+18$	$x^2-8x+12$	x^2-7x+6	x^2-6x	x^2-5x-6	$x^2-4x-12$	$x^2-3x-18$
x-5	$x^2-9x+20$	$x^2-8x+15$	$x^2-7x+10$	x^2-6x+5	x^2-5x	x^2-4x-5	$x^2-3x-10$	$x^2-2x-15$
x-4	$x^2-8x+16$	$x^2-7x+12$	x^2-6x+8	x^2-5x+4	x^2-4x	x^2-3x-4	x^2-2x-8	x^2-x-12
x-3	$x^2-7x+12$	x^2-6x+9	x^2-5x+6	x^2-4x+3	x^2-3x	x^2-2x-3	x^2-x-6	x^2-9
x-2	x^2-6x+8	x^2-5x+6	x^2-4x+4	x^2-3x+2	x^2-2x	x^2-x-2	x^2-4	x^2+x-6
x-1	x^2-5x+4	x^2-4x+3	x^2-3x+2	x^2-2x+1	x^2-x	x^2-1	x^2+x-2	x^2+2x-3
x	x^2-4x	x^2-3x	x^2-2x	x^2-x	x^2	x^2+x	x^2+2x	x^2+3x
x+1	x^2-3x-4	x^2-2x-3	x^2-x-2	x^2-1	x^2+x	x^2+2x+1	x^2+3x+2	x^2+4x+3
x+2	x^2-2x-8	x^2-x-6	x^2-4	x^2+x-2	x^2+2x	x^2+3x+2	x^2+4x+4	x^2+5x+6
x+3	x^2-x-12	x^2-9	x^2+x-6	x^2+2x-3	x^2+3x	x^2+4x+3	x^2+5x+6	x^2+6x+9
x+4	x^2-16	x^2+x-12	x^2+2x-8	x^2+3x-4	x^2+4x	x^2+5x+4	x^2+6x+8	$x^2+7x+12$
x+5	x^2+x-20	$x^2+2x-15$	$x^2+3x-10$	x^2+4x-5	x^2+5x	x^2+6x+5	$x^2+7x+10$	$x^2+8x+15$
x+6	$x^2+2x-24$	$x^2+3x-18$	$x^2+4x-12$	x^2+5x-6	x^2+6x	x^2+7x+6	$x^2+8x+12$	$x^2+9x+18$
x+7	$x^2+3x-28$	$x^2+4x-21$	$x^2+5x-14$	x^2+6x-7	x^2+7x	x^2+8x+7	$x^2+9x+14$	$x^2+10x+21$
x+8	$x^2+4x-32$	$x^2+5x-24$	$x^2+6x-16$	x^2+7x-8	x^2+8x	x^2+9x+8	$x^2+10x+16$	$x^2+11x+24$
x+9	$x^2+5x-36$	$x^2+6x-27$	$x^2+7x-18$	x^2+8x-9	x^2+9x	$x^2+10x+9$	$x^2+11x+18$	$x^2+12x+27$

Notable factorizations

$(a+b)^2 = a^2 + 2ab + b^2$ $(a-b)^2 = a^2 - 2ab + b^2$ $(a+b) \cdot (a-b) = a^2 - b^2$ $(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$ $(a-b)^3 = a^3 - 3a^2b + 3ab^2 - b^3$
