

# “All” Quadratic Trinomials

This is a list of all unique quadratic trinomials of the form  $x^2+ax+b$  that are factorable over the integers whose magnitude is less than or equal to ten. There are 231 unique trinomials on this list.

$$x^2 - 20x + 100 = (x - 10)(x - 10)$$

$$x^2 - 19x + 90 = (x - 9)(x - 10)$$

$$x^2 - 18x + 81 = (x - 9)(x - 9)$$

$$x^2 - 18x + 80 = (x - 8)(x - 10)$$

$$x^2 - 17x + 72 = (x - 8)(x - 9)$$

$$x^2 - 16x + 64 = (x - 8)(x - 8)$$

$$x^2 - 17x + 70 = (x - 7)(x - 10)$$

$$x^2 - 16x + 63 = (x - 7)(x - 9)$$

$$x^2 - 15x + 56 = (x - 7)(x - 8)$$

$$x^2 - 14x + 49 = (x - 7)(x - 7)$$

$$x^2 - 16x + 60 = (x - 6)(x - 10)$$

$$x^2 - 15x + 54 = (x - 6)(x - 9)$$

$$x^2 - 14x + 48 = (x - 6)(x - 8)$$

$$x^2 - 13x + 42 = (x - 6)(x - 7)$$

$$x^2 - 12x + 36 = (x - 6)(x - 6)$$

$$x^2 - 15x + 50 = (x - 5)(x - 10)$$

$$x^2 - 14x + 45 = (x - 5)(x - 9)$$

$$x^2 - 13x + 40 = (x - 5)(x - 8)$$

$$x^2 - 12x + 35 = (x - 5)(x - 7)$$

$$x^2 - 11x + 30 = (x - 5)(x - 6)$$

$$x^2 - 10x + 25 = (x - 5)(x - 5)$$

$$x^2 - 14x + 40 = (x - 4)(x - 10)$$

$$x^2 - 13x + 36 = (x - 4)(x - 9)$$

$$x^2 - 12x + 32 = (x - 4)(x - 8)$$

$$x^2 - 11x + 28 = (x - 4)(x - 7)$$

$$x^2 - 10x + 24 = (x - 4)(x - 6)$$

$$x^2 - 9x + 20 = (x - 4)(x - 5)$$

$$x^2 - 8x + 16 = (x - 4)(x - 4)$$

$$x^2 - 13x + 30 = (x - 3)(x - 10)$$

$$x^2 - 12x + 27 = (x - 3)(x - 9)$$

$$x^2 - 11x + 24 = (x - 3)(x - 8)$$

$$x^2 - 10x + 21 = (x - 3)(x - 7)$$

$$x^2 - 9x + 18 = (x - 3)(x - 6)$$

$$x^2 - 8x + 15 = (x - 3)(x - 5)$$

$$x^2 - 7x + 12 = (x - 3)(x - 4)$$

$$x^2 - 6x + 9 = (x - 3)(x - 3)$$

$$x^2 - 12x + 20 = (x - 2)(x - 10)$$

$$x^2 - 11x + 18 = (x - 2)(x - 9)$$

$$x^2 - 10x + 16 = (x - 2)(x - 8)$$

$$x^2 - 9x + 14 = (x - 2)(x - 7)$$

$$x^2 - 8x + 12 = (x - 2)(x - 6)$$

$$x^2 - 7x + 10 = (x - 2)(x - 5)$$

$$x^2 - 6x + 8 = (x - 2)(x - 4)$$

$$x^2 - 5x + 6 = (x - 2)(x - 3)$$

$$x^2 - 4x + 4 = (x - 2)(x - 2)$$

$$x^2 - 11x + 10 = (x - 1)(x - 10)$$

$$x^2 - 10x + 9 = (x - 1)(x - 9)$$

$$x^2 - 9x + 8 = (x - 1)(x - 8)$$

$$x^2 - 8x + 7 = (x - 1)(x - 7)$$

$$x^2 - 7x + 6 = (x - 1)(x - 6)$$

$$x^2 - 6x + 5 = (x - 1)(x - 5)$$

$$x^2 - 5x + 4 = (x - 1)(x - 4)$$

$$x^2 - 4x + 3 = (x - 1)(x - 3)$$

$$x^2 - 3x + 2 = (x - 1)(x - 2)$$

$$x^2 - 2x + 1 = (x - 1)(x - 1)$$

$$x^2 - 10x + 0 = (x + 0)(x - 10)$$

$$x^2 - 9x + 0 = (x + 0)(x - 9)$$

$$x^2 - 8x + 0 = (x + 0)(x - 8)$$

$$x^2 - 7x + 0 = (x + 0)(x - 7)$$

$$x^2 - 6x + 0 = (x + 0)(x - 6)$$

$$x^2 - 5x + 0 = (x + 0)(x - 5)$$

$$x^2 - 4x + 0 = (x + 0)(x - 4)$$

$$x^2 - 3x + 0 = (x + 0)(x - 3)$$

$$x^2 - 2x + 0 = (x + 0)(x - 2)$$

$$x^2 - 1x + 0 = (x + 0)(x - 1)$$

$$x^2 + 0x + 0 = (x + 0)(x + 0)$$

$$x^2 - 9x - 10 = (x + 1)(x - 10)$$

$$x^2 - 8x - 9 = (x + 1)(x - 9)$$

$$x^2 - 7x - 8 = (x + 1)(x - 8)$$

$$x^2 - 6x - 7 = (x + 1)(x - 7)$$

$$x^2 - 5x - 6 = (x + 1)(x - 6)$$

$$x^2 - 4x - 5 = (x + 1)(x - 5)$$

$$x^2 - 3x - 4 = (x + 1)(x - 4)$$

$$x^2 - 2x - 3 = (x + 1)(x - 3)$$

$$x^2 - 1x - 2 = (x + 1)(x - 2)$$

$$x^2 + 0x - 1 = (x + 1)(x - 1)$$

$$x^2 + 1x + 0 = (x + 1)(x + 0)$$

$$x^2 + 2x + 1 = (x + 1)(x + 1)$$

$$x^2 - 8x - 20 = (x + 2)(x - 10)$$

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$$x^2 - 6x - 16 = (x + 2)(x - 8)$$

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$$x^2 - 3x - 10 = (x + 2)(x - 5)$$

$$x^2 - 2x - 8 = (x + 2)(x - 4)$$

$$x^2 - 1x - 6 = (x + 2)(x - 3)$$

$$x^2 + 0x - 4 = (x + 2)(x - 2)$$

$$x^2 + 1x - 2 = (x + 2)(x - 1)$$

$$x^2 + 2x + 0 = (x + 2)(x + 0)$$

$$x^2 + 3x + 2 = (x + 2)(x + 1)$$

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$$x^2 - 1x - 12 = (x + 3)(x - 4)$$

$$x^2 + 0x - 9 = (x + 3)(x - 3)$$

$$x^2 + 1x - 6 = (x + 3)(x - 2)$$

$$x^2 + 2x - 3 = (x + 3)(x - 1)$$

$$x^2 + 3x + 0 = (x + 3)(x + 0)$$

$$x^2 + 4x + 3 = (x + 3)(x + 1)$$

$$x^2 + 5x + 6 = (x + 3)(x + 2)$$

$$x^2 + 6x + 9 = (x + 3)(x + 3)$$

$$x^2 - 6x - 40 = (x + 4)(x - 10)$$

$$x^2 - 5x - 36 = (x + 4)(x - 9)$$

$$x^2 - 4x - 32 = (x + 4)(x - 8)$$

$$x^2 - 3x - 28 = (x + 4)(x - 7)$$

$$x^2 - 2x - 24 = (x + 4)(x - 6)$$

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$$x^2 + 8x + 16 = (x + 4)(x + 4)$$

$$x^2 - 5x - 50 = (x + 5)(x - 10)$$

$$x^2 - 4x - 45 = (x + 5)(x - 9)$$

$$x^2 - 3x - 40 = (x + 5)(x - 8)$$

$$x^2 - 2x - 35 = (x + 5)(x - 7)$$

$$x^2 - 1x - 30 = (x + 5)(x - 6)$$

$$x^2 + 0x - 25 = (x + 5)(x - 5)$$

$$x^2 + 1x - 20 = (x + 5)(x - 4)$$

$$x^2 + 2x - 15 = (x + 5)(x - 3)$$

$$x^2 + 3x - 10 = (x + 5)(x - 2)$$

$$x^2 + 4x - 5 = (x + 5)(x - 1)$$

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$$x^2 - 1x - 42 = (x + 6)(x - 7)$$

$$x^2 + 0x - 36 = (x + 6)(x - 6)$$

$$x^2 + 1x - 30 = (x + 6)(x - 5)$$

$$x^2 + 2x - 24 = (x + 6)(x - 4)$$

$$x^2 + 3x - 18 = (x + 6)(x - 3)$$

$$x^2 + 4x - 12 = (x + 6)(x - 2)$$

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x^2 + 10x + 24 &= (x + 6)(x + 4) \\
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x^2 + 4x - 32 &= (x + 8)(x - 4)
\end{aligned}$$

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