Factoring Trinomials

Factor the trinomials.

$2x^2 + 13x + 21$

$5x^2 + 54x + 40$

$3x^2 + 11x + 10$

$15x^2 + 19x + 6$

$2x^2 + 11x + 12$

$8x^2 + 55x + 42$

$5x^2 + 11x + 2$

$9x^2 + 28x + 20$

$5x^2 + 16x + 12$

$6x^2 + 31x + 28$

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Factoring Trinomials

Factor the trinomials.

$2x^2 + 13x + 21$

$= (x + 3)(2x + 7)$

$5x^2 + 54x + 40$

$= (5x + 4)(x + 10)$

$3x^2 + 11x + 10$

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

$15x^2 + 19x + 6$

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

$2x^2 + 11x + 12$

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

$8x^2 + 55x + 42$

$= (8x + 7)(x + 6)$

$5x^2 + 11x + 2$

$= (5x + 1)(x + 2)$

$9x^2 + 28x + 20$

$= (9x + 10)(x + 2)$

$5x^2 + 16x + 12$

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

$6x^2 + 31x + 28$

$= (x + 4)(6x + 7)$