

MATH 123**Factoring III**

Factor the following.

$2x^2 + 5x + 3$

$4x^2 + 18x - 10$

$5x^2 + 7x - 6$

$16x^2 - 31x + 15$

$16x^2 + 32x + 15$

$16x^2 - 34x + 15$

$16x^2 + 46xy + 15y^2$

$25x^2 - 80x + 64$

$25x^2 + 100x + 64$

$25x^2 - 170x + 64$

$25x^2 + 89x + 64$

$-20x^2z^3 + 20xz^3 + 15z^3$

$49x^2 + 126x + 81$

$49x^2 - 81$

$25x^2 - 64$

$3x^2 - 14x - 5$

$2x^2 + 5x - 3$

$3x^2 + 7x - 6$

$9x^2 + 4x - 5$

$5x^2 - 8xy - 4y^2$

$20x^2 - 20x - 15$

$24x^2 - 18x - 6$

$8x^2 + 12x + 4$

$14x^2 - 20x + 6$

$15x^2 - 21x + 6$

$10x^2yz + 5xy^2z - 30y^3z$

$2ax^3 - 2ax^2 - 4ax$

$2y^4 + y^3 - 3y^2$

$8y^4z + 20y^3z + 12y^2z$

$4z^3 - 18z^2 - 10z$

$36z^3 - 66z^2 + 18z$

$20p^4q^2 - 22p^3q^3 - 12p^2q^4$

$12x^2 + 2xy - 24y^2$

$9z^2 + 30zw + 21w^2$

$36x^2 - 3x - 5$

$3x^2 - 17x - 6$

$6x^2 - 17x + 12$

$12x^2 + 11x - 15$

$16x^2 + 40x + 25$

$24x^2 + 5x - 36$

$6x^2 + 19x + 10$

$6x^2 - 7x - 3$

$15x^2 + x - 6$

$12x^2 + 19x + 4$

$6x^2 + 25x - 25$

$8x^2 - 6x - 9$

$9x^2 - 12x + 4$

$20x^2 - 12x + 4$