

Partner 1 (RED): _____

Partner 2 (BLUE): _____

Period: _____ Date: _____

Algebra Connect-Four – Factoring with a Leading Coefficient >1

	1	2	3	4	5	6
1	$9x^2 - 30x + 25$	$4x^2 + 4x + 1$	$2x^2 - 22x + 48$	$5x^2 - 15x - 50$	$36x^2 - 84x + 49$	$12x^2 - 4x - 40$
2	$2x^2 - 20x$	$4x^2 - 40x - 44$	$72x^2 - 50$	$25x^2 - 30x + 9$	$2x^2 - 15x + 18$	$18x^2 + 36x + 16$
3	$6x^2 + 25x + 14$	$49x^2 + 70x + 25$	$3x^2 + 3x - 6$	$21x^2 - 77x - 28$	$2x^2 + 20x + 50$	$2x^2 + 10x$
4	$6x^2 + x - 12$	$49x^2 - 9$	$2x^2 - 9x + 10$	$9x^2 - 12x + 4$	$2x^2 - 9x - 5$	$3x^2 - 13x - 10$
5	$3x^2 + 20x - 7$	$8x^2 - 2x - 3$	$16x^2 + 8x + 1$	$5x^2 + 14x - 3$	$9x^2 - 13x - 10$	$14x^2 + x - 3$
6	$2x^2 + 5x + 3$	$81x^2 - 1$	$6x^2 + 5x + 1$	$3x^2 + 7x + 4$	$4x^2 + 9x - 9$	$11x^2 + 2x - 9$

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	1	2	3	4	5	6
1	$15x^2 - 5x - 20$	$6x^2 - 34x + 20$	$2x^2 - 42x - 200$	$18x^2 - 6x - 4$	$8x^2 - 50$	$36x^2 + 96x + 15$
2	$4x^2 - 16x$	$4x^2 - 2x - 56$	$5x^2 - 31x + 6$	$9x^2 - 21x - 18$	$15x^2 + 3x - 12$	$4x^2 + 12x + 5$
3	$3x^2 - 20x - 7$	$4x^2 + 12x + 9$	$7x^2 - 20x - 3$	$12x^2 + 5x - 7$	$6x^2 - 7x - 5$	$5x^2 - 17x + 6$
4	$4x^2 - 19x - 5$	$25x^2 - 36$	$36x^2 - 49$	$5x^2 - 27x - 18$	$5x^2 - 11x + 6$	$3x^2 + 4x - 7$
5	$3x^2 + 20x - 7$	$15x^2 + 7x - 2$	$4x^2 - 20x + 25$	$5x^2 + 16x + 3$	$3x^2 - 8x + 5$	$4x^2 - 9x + 2$
6	$3x^2 - 4x - 7$	$3x^2 - 20x - 32$	$3x^2 + 5x - 12$	$3x^2 + 8x - 35$	$6x^2 - 5x + 1$	$5x^2 - 13x + 6$

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Algebra Connect-Four – Factoring with a Leading Coefficient >1

	1	2	3	4	5	6
1	$6x^2 + 2x - 4$	$30x^2 + 5x - 10$	$6x^2 + 21x + 15$	$4x^2 - 28x + 49$	$6x^2 + 33x + 36$	$49x^2 + 42x + 9$
2	$5x^2 - 45x$	$12x^2 - 40x - 32$	$15x^2 - 3x - 12$	$8x^2 + 24x + 18$	$4x^2 + 2x - 2$	$6x^2 - 15x - 9$
3	$4x^2 + 19x - 5$	$25x^2 - 81$	$14x^2 - 17x - 6$	$9x^2 + 12x + 4$	$4x^2 - 17x - 15$	$2x^2 + 12x$
4	$10x^2 + 29x + 10$	$9x^2 + 24x + 16$	$4x^2 + 20x + 25$	$3x^2 + 23x + 30$	$6x^2 - 13x - 28$	$25x^2 - 80x + 64$
5	$5x^2 + x - 4$	$2x^2 + 5x + 2$	$6x^2 - 5x + 1$	$4x^2 - 15x + 9$	$36x^2 - 49$	$6x^2 - 7x + 2$
6	$9x^2 - 64$	$3x^2 - 7x + 4$	$6x^2 + x - 15$	$36x^2 - 12x + 1$	$3x^2 + 10x - 8$	$4x^2 - 5x + 1$