

Algebra 1:

Factoring Worksheet
(Factorable leading coefficient)

Name: _____

$ax^2 + bx + c$

$ax^2 - bx + c$

$ax^2 - bx - c$

$ax^2 + bx - c$

Find the factors of each equation. If not factorable, write not possible.

1. $2x^2 + 5x + 2$	2. $-4x^2 + 8x + 5$
3. $5x^2 - 9x - 2$	4. $3x^2 + 7x + 2$
5. $4x^2 - 5x + 1$	6. $2x^2 + 11x + 5$
7. $5x^2 - 11x + 2$	8. $7x^2 - 9x + 2$
9. $24x^2 - 22x + 5$	10. $24x^2 - 121x + 5$
11. $4x^2 + 17x - 15$	12. $12x^2 - 8x + 1$
13. $8x^2 + 6x - 9$	14. $9x^2 + 3x - 2$
15. $7x^2 - 11x - 6$	16. $4x^2 - 8x - 5$
17. $-2x^2 - 9x + 10$	18. $-3x^2 - x + 10$
19. $-10x^2 - x + 3$	20. $-6x^2 - 7x + 3$

