



MAth on the Fly!



NAME: _____ DATE: _____

Factoring General Trinomials ($Ax^2 + Bx + C$)

Factor each trinomial.

- | | | |
|-----------------------|-----------------------|-----------------------|
| 1. $2x^2 + 7x + 3$ | 2. $4a^2 + 3a - 1$ | 3. $3y^2 - 13y - 30$ |
| 4. $6u^2 + 13u - 5$ | 5. $2x^2 + x - 6$ | 6. $4a^2 - 21a - 18$ |
| 7. $2c^2 - 17c - 9$ | 8. $4w^2 + 27w + 18$ | 9. $5y^2 + 18y - 8$ |
| 10. $4p^2 + 20p + 25$ | 11. $5u^2 - 46u + 9$ | 12. $7x^2 + x - 6$ |
| 13. $5e^2 + 23e + 12$ | 14. $9x^2 - 6x + 1$ | 15. $4d^2 + 16d + 15$ |
| 16. $10x^2 - x - 2$ | 17. $11y^2 - 13y + 2$ | 18. $12b^2 - 8b + 1$ |

SOLUTIONS

1. $(2x + 1)(x + 3)$

2. $(4a - 1)(a + 1)$

3. $(3y + 5)(y - 6)$

4. $(3u - 1)(2u + 5)$

5. $(2x - 3)(x + 2)$

6. $(4a + 3)(a - 6)$

7. $(2c + 1)(c - 9)$

8. $(4w + 3)(w + 6)$

9. $(5y - 2)(y + 4)$

10. $(2p + 5)(2p + 5)$

11. $(5u - 1)(u - 9)$

12. $(7x - 6)(x + 1)$

13. $(5e + 3)(e + 4)$

14. $(3x - 1)(3x - 1)$

15. $(2d + 3)(2d + 5)$

16. $(5x + 2)(2x - 1)$

17. $(11y - 2)(y - 1)$

18. $(6b - 1)(2b - 1)$