

## Multiplying Binomials - FOIL Method 2 KEY

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

$$2. (x + 1)(x - 3) = x^2 - 2x - 3$$

$$3. (x - 1)(x + 8) = x^2 + 7x - 8$$

$$4. (x + 5)(x + 6) = x^2 + 11x + 30$$

$$5. (x - 2)(x - 3) = x^2 - 5x + 6$$

$$6. (x + 2)(x + 7) = x^2 + 9x + 14$$

$$7. (x - 5)(x + 3) = x^2 - 2x - 15$$

$$8. (x + 6)(x - 7) = x^2 - x - 42$$

$$9. (2x + 3)(3x + 1) = 6x^2 + 11x + 3$$

$$10. (3x - 2)(3x - 1) = 9x^2 - 9x + 2$$

$$11. (4x - 5)(x + 5) = 4x^2 + 15x - 25$$

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$$12. (x - 2)(x + 2) = x^2 - 4$$

$$13. (x + 5)(x - 5) = x^2 - 25$$

$$14. (4x - 5)(4x + 5) = 16x^2 - 25$$

$$15. (7x + 8)(7x - 8) = 49x^2 - 64$$

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$$16. (x + 6)(x + 6) = x^2 + 12x + 36$$

$$17. (x - 4)(x - 4) = x^2 - 8x + 16$$

$$18. (2x + 3)(2x + 3) = 4x^2 + 12x + 9$$

$$19. (x + 3)^2 = x^2 + 6x + 9$$

$$20. (x - 5)^2 = x^2 - 10x + 25$$

$$21. (3x + 2)^2 = 9x^2 + 12x + 4$$

$$22. (5x - 3)^2 = 25x^2 - 30x + 9$$