

$$1. \quad 3(3x + 4y)$$

$$2. \quad 4(x - 3y)$$

$$3. \quad 18x - 24y$$

$$4. \quad 15a + 25b$$

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

$$6. \quad (x - 3)(x - 4)$$

$$7. \quad (x + 6)(x + 1)$$

$$8. \quad x^2 + 7x + 10$$

$$9. \quad x^2 + 7x + 12$$

$$10. \quad x^2 - 3x - 10$$

$$11. \quad a^2 - a - 12$$

$$12. \quad (3x + 4)(x - 2)$$

$$13. \quad (7y + 4)(3y - 2)$$

$$14. \quad (7y - 1)(7y + 1)$$

$$15. (4x-5)(x-5)$$

$$16. (10x+2)(6-2x)$$

$$17. (2x+1)^2 \quad \text{Hint: } (2x+1)(2x+1)$$

$$18. (4x-3)^2$$

$$19. 6 + 4(3x-2) \quad \text{Hint: } \text{this is not } (6+4)(3x-2)$$

$$20. (3x+2)(\quad) \quad 6x^2 + 19x + 10$$

$$21. \quad 2x^2 + 7x + 3$$

$$22. \quad 3x^2 + 8x + 4$$

$$23. \quad 2x^2 - 2 - 15$$

$$24. \quad 6x^2 + 7x + 2$$

$$25. \quad 6x^2 + 7y - 3$$

$$26. \quad 4x^2 + 0x - 9$$

$$27. \quad x^2 - 25$$

$$28. \quad x^2 - 36$$