

# Practice 9-4

## Multiplying Special Cases

Simplify. \*DO NOT SHOW WORK!\*

- |                                  |                              |
|----------------------------------|------------------------------|
| 1. $(w - 2)^2$                   | 2. $(y + 4)^2$               |
| 3. $(4w + 2)^2$                  | 4. $(w - 9)^2$               |
| 5. $(3x + 7)^2$                  | 6. $(3x - 7)^2$              |
| 7. $(2x - 9)^2$                  | 8. $(x - 12)^2$              |
| 9. $(6x + 1)^2$                  | 10. $(4x - 7)^2$             |
| 11. $(x + 8)(x - 8)$             | 12. $(x - 11)(x + 11)$       |
| 13. $(x - 12)(x + 12)$           | 14. $(y + w)(y - w)$         |
| 15. $(2x + 1)(2x - 1)$           | 16. $(5x - 2)(5x + 2)$       |
| 17. $(6x + 1)(6x - 1)$           | 18. $(2x - 4)(2x + 4)$       |
| 19. $(x^2 + y^2)^2$              | 20. $(2x^2 + y^2)^2$         |
| 21. $(a^2 - b^2)^2$              | 22. $(y^2 - 4w^2)^2$         |
| 23. $(3 - 6x^2)^2$               | 24. $(4a - 3y)^2$            |
| 25. $(3y + 2a)(3y - 2a)$         | 26. $(x^2 + 2y)(x^2 - 2y)$   |
| 27. $(3x^2 + 4w^2)(3x^2 - 4w^2)$ | 28. $(4x + 3w^2)(4x - 3w^2)$ |
| 29. $(2a + 7b)(2a - 7b)$         | 30. $(5a^2 - 6x)(5a^2 + 6x)$ |

Find the area.

