

10.4 Simplifying Polynomial Expressions and Special Products

Name: _____

Date: _____

Period: _____

Multiply the polynomials. Use special products when applicable and FOIL when you cannot use special products.

1. $(x + 5)^2$	2. $(x - 6)^2$	3. $(x + 9)^2$
4. $(2x + 1)^2$	5. $(4x - 1)^2$	6. $(3x + 8)^2$
7. $(x + 5)(x - 9)$	8. $(x - 4)(x + 4)$	9. $(6x + 9)(2x + 3)$

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10. $(x - 4)(x - 4)$	11. $(4x - 9)(2x - 3)$	12. $(2x + 5)(2x + 5)$
13. $(5x + 8)(3x + 1)$	14. $(x - 11)(x - 11)$	15. $(4x - 2)(x + 6)$
16. $(-6x + 1)(-6x + 1)$	17. $(5x - 3)(5x - 3)$	18. $(3x + 2)(-3x + 2)$