

Algebra Homework
Multiplying Binomials (and Trinomials)
Distributive Property and FOIL.

Name: _____
Period: _____
Date: _____ #: _____

Simplify using the distributive property.

1. $(x + 5)(x + 7)$

2. $(x + 3)(2x - 7)$

3. $(3w + 4)(2w - 1)$

4. $(a - 11)(a + 2)$

5. $(3x + 3)(5x + 4)$

6. $(5x + 7)(7x + 3)$

7. $(x + 3)(4x^2 + 3x + 1)$

8. $(2y - 3)(2y^2 + x - 4)$

9. $(4x^2 - 2x + 1)(3x + 1)$

Simplify using the FOIL Method.

10. $(r + 6)(r - 4)$

11. $(h + 3)(h + 4)$

12. $(b + 4)(3b + 5)$

13. $(a + 11)(a + 5)$

14. $(3k^2 + 2)(k + 5k^2)$

15. $(x^2 + 3)(x + 11)$

16. $(x + 8)(x + 8)$

17. $(d - 3)(d - 3)$

18. $(y - 5)(y + 5)$