

DISTRIBUTIVITY HOMEWORK

TEXT: 5.1

LAST NAME	FIRST NAME	DATE
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Simplify each expression by removing parentheses and/or combining similar terms. Show all algebraic work.

1. $(x - 5)(x - 5) =$

2. $(2x - 5)(3x - 7) =$

3. $(x + 4)^2 - (x - 3)^2 =$

4. $(a + 3)(a - 3)(a^2 + 9) =$

5. $(a + b - 6)(a - b + 7) =$

Simplify each expression by removing parentheses and/or combining similar terms. Show all algebraic work.

6. $(c - d)^3 =$

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

8. $(2 - 3y)^4 =$

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

ANSWERS