

## Multiplying Polynomials Practice Worksheet

Name \_\_\_\_\_ Class Period \_\_\_\_\_

**Simplify. Write your answers in standard form.**

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

2.  $4y^5(3y^3 - 2y^2 - 8y + 9)$

\_\_\_\_\_

3.  $(x - 4)(x - 7)$

\_\_\_\_\_

4.  $(2n + 7)(3n + 4)$

\_\_\_\_\_

5.  $(p + 7)(2p^2 - p + 6)$

\_\_\_\_\_

6.  $(x + 9)(x - 2)$

\_\_\_\_\_

\_\_\_\_\_

7.  $(9x^2 - x + 6)(5x - 2)$

8.  $(a - 1)(a^2 + 2a + 2)$

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

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

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11.  $(n + 5)^3$

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12.  $(2x^2 - 5x + 7)(x^2 - x + 1)$

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