

Skills Maintenance #6  
Polynomials

Name \_\_\_\_\_  
Pd \_\_\_\_\_ Date \_\_\_\_\_

Simplify.

1.  $(5a - 3b + 2) + (7a - 6b - 3)$

2.  $(3a - 5) - (a + 2)$

3.  $8x - (2x - 6)$

4.  $7x^2 - 3xy + 5xy - 4x^2$

5.  $(3x^2 - 5x - 2) - (-x^2 - 5x + 9)$

Multiply.

6.  $-5x(x^2 - 2x - 3)$

7.  $(2a - 3)(a + 6)$

8.  $(5n - 3)(2n - 1)$

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

Factor.

10.  $a^2 - b^2$

11.  $a^2 - a - 12$

12.  $25a^2 - 10a + 1$

13.  $2x^2 + 5x + 3$

14.  $49x^2 - 81$

15.  $3x^2 + 2x - 8$

|         |
|---------|
| Score:  |
| Answers |
| 1.      |
| 2.      |
| 3.      |
| 4.      |
| 5.      |
| 6.      |
| 7.      |
| 8.      |
| 9.      |
| 10.     |
| 11.     |
| 12.     |
| 13.     |
| 14.     |
| 15.     |