

**Simplify Expressions**

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

1)  $-(p + 7) + 7p(6p - 6)$

2)  $3(1 - 7n) - 2n(7n + 6)$

3)  $(8b + 8 + 7b^2) - (2b^2 + 6b^3 + 2)$

**Find each product.**

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

5)  $(7a + 3)(7a - 3)$

6)  $(b - 5)(b + 5)$

7)  $(6 - n)(6 + n)$

**Simplify each expression**

8)  $2x - 3 - (5x - 8 - (-3x + 11))$

**Find the product/Simplify each expression**

9)  $(x + y - 5)(x + y + 5)$

10)  $(2x - y + 8)(2x - y - 8)$

## Simplify Expressions

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

$$1) -(p + 7) + 7p(6p - 6)$$

$$-43p - 7 + 42p^2$$

$$2) 3(1 - 7n) - 2n(7n + 6)$$

$$3 - 33n - 14n^2$$

$$3) (8b + 8 + 7b^2) - (2b^2 + 6b^3 + 2)$$

$$-6b^3 + 5b^2 + 8b + 6$$

**Find each product.**

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

$$14x^2 + 23x + 3$$

$$5) (7a + 3)(7a - 3)$$

$$49a^2 - 9$$

$$6) (b - 5)(b + 5)$$

$$b^2 - 25$$

$$7) (6 - n)(6 + n)$$

$$36 - n^2$$

**Simplify each expression**

$$8) 2x - 3 - (5x - 8 - (-3x + 11))$$

$$-6x + 16$$

**Find the product/Simplify each expression**

$$9) (x + y - 5)(x + y + 5)$$

$$x^2 + 2xy + y^2 - 25$$

$$10) (2x - y + 8)(2x - y - 8)$$

$$4x^2 - 4xy + y^2 - 64$$