

Name: \_\_\_\_\_

# Math is Gold

Date: \_\_\_\_\_

Topic: Special Product

(id:poly\_specialprod3\_M.1)

Title: Simplify using the formula  $(a + b)(a - b) = a^2 - b^2$

1)  $(1 + b^2)(1 - b^2)$

2)  $(2 + p^2)(2 - p^2)$

3)  $(m^2 + 5)(m^2 - 5)$

4)  $(7 + n^2)(7 - n^2)$

5)  $(6 + c^2)(6 - c^2)$

6)  $(1 + 2a^2)(1 - 2a^2)$

$$7) (3 + 5h^2)(3 - 5h^2)$$

$$8) (4 - 7f^2)(4 + 7f^2)$$

$$9) (1 - 9g^2)(1 + 9g^2)$$

$$10) (2 - 3k^2)(2 + 3k^2)$$

$$11) (10 + d^2)(10 - d^2)$$

$$12) (11 + 5j^2)(11 - 5j^2)$$

13)  $(7 + 2k^2)(7 - 2k^2)$

14)  $(1 + 4j^2)(1 - 4j^2)$

15)  $(9 + 7q^2)(9 - 7q^2)$