

Name: _____

Math is Gold

Date: _____

Topic: Special Product

(id:poly_specialprod3_A.1)

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

1) $(p^2 - q^3)(p^2 + q^3)$

2) $(2a^3 - 5b^2)(2a^3 + 5b^2)$

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

4) $(5c^3 - 7d^2)(5c^3 + 7d^2)$

5) $(x^2 - 10y^3)(x^2 + 10y^3)$

6) $(p^5 - 2q^3)(p^5 + 2q^3)$

$$7) (7a^3 - 2b^5)(7a^3 + 2b^5)$$

$$8) (m^3 - 8n^5)(m^3 + 8n^5)$$

$$9) (x^5 - 6y^3)(x^5 + 6y^3)$$

$$10) (10u^3 - 8v^5)(10u^3 + 8v^5)$$

$$11) (x^4 - 5y^2)(x^4 + 5y^2)$$

$$12) (2r^4 - 3s^2)(2r^4 + 3s^2)$$

13) $(u^2 - 3v^4)(u^2 + 3v^4)$

14) $(11k^4 - 2l^2)(11k^4 + 2l^2)$

15) $(10j^2 - 5k^4)(10j^2 + 5k^4)$