

Day #2

Name _____

Polynomials

Find each product.

1) $-8mn^2(3m^2 + 8mn + n^2)$

2) $3x^3(7x^2 + 2xy - 8y^2)$

3) $6xy(-4x^2 + xy - 3y^2)$

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

5) $7xy^3(3x^2 + 6xy + 4y^2)$

6) $8a^3b^3(3a + b)$

7) $(4a + 8b)(6a - 5b)$

8) $(6x + 3y)(3x - 5y)$

9) $(5m - 7n)(m + 6n)$

10) $8x^2(x^2 + 6x + 7)$

11) $5r^3(6r^2 + 7r - 1)$

12) $(5p - 1)(3p^2 + 4p - 4)$

13) $(n + 3)(6n^2 + 2n + 7)$

14) $(4u - 4v)(4u^2 - 2uv - 2v^2)$

15) $(5m + 8n)(8m^2 + 4mn - 6n^2)$

16) $(2x - y)(8x^2 - 4xy - 8y^2)$