

### Polynomial Quiz #1 Practice

Find the degree of each polynomial.

1.  $5x^4$

2.  $-9n^3p^4$

3.  $7a^2 - 2ab^2$

4.  $-6 - 8x^2y^2 + 5y^3$

Arrange the terms of each polynomial so that the powers of  $x$  are in ascending order.

5.  $4x^2 + 9x - 12 + 5x^3$

6.  $2xy^4 + x^3y^5 + 5x^5y - 13x^2$

Find each sum or difference.

7.  $(7n^2 - 4n + 10) + (3n^2 - 8)$

8.  $(3g^3 - 5g) - (2g^3 + 5g^2 - 3g + 1)$

Find each product.

9.  $5a^2(3a^3b - 2a^2b^2 + 6ab^3)$

10.  $7x^2y(5x^2 - 3xy + y)$