

Name: _____ Block: _____

Algebra 1 - 8.1-3 Retake Review

1 $-6x^3$ is a _____.

2 Classify the polynomial according to its degree and terms.
 $9w + 5$

3 Write the polynomial in standard form. Classify by its degree and terms.
 $4g - 3g^3 + 9g^2 - 1$

4 Simplify the sum.
 $(3u^3 + 3u^2 + 5) + (8u^3 - 8u + 3)$

10 Multiply. $-6a(5a^2 + 6a - 7)$

5 Subtract. $(5w^2 - 8w - 7) - (8w^2 + 2w - 2)$

11 Simplify the product of polynomials.
 $(2x^2 - 3x)(5x^2 - x + 2)$

Factor the polynomials: (Find the GCF first.)

6 $6w^8 + 4w^4$

7 $3x^3 + 6x^2 - 15x$

12 Simplify the product $(6h + 2)(3h - 6)$

8 $-3x^2 - 9x$

9 Factor $32c^3d^4 + 4c^4d^2$

13 Multiply. $(x - 2)(x + 5)$