

Name : _____

Classifying Polynomials

Sheet 3

Classify each polynomial based on number of terms.

1) $7p^3 + 3pq^2r$

2) $-6x + 4x^2y + yz^3 - 23$

3) $u - 5v - 8w$

5) $-8a^3 + 5c^3 - 2ak$

7) $4y^3$

9) $-3n^6 + 8n^5 - n^3$

11) $v^4 - w^4$

12) $-9 + 7m - 4m^2$

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Answer key

Sheet 3

Classifying Polynomials

Classify each polynomial based on number of terms.

1) $7p^3 + 3pq^2r$

binomial

2) $-6x + 4x^2y + yz^3 - 23$

polynomial with 4 terms

3) $u - 5v - 8w$

trinomial

trinomial

5) $-8a^3 + 5c^3 - 2ak$

polynomial with 3 terms

$q + 2q^5 + q^4 - 9$

polynomial with 6 terms

7) $4y^3$

monomial

binomial

9) $-3n^6 + 8n^5 - n^3$

polynomial with 4 terms

$5u^2 + 6s - 3$

polynomial with 5 terms

11) $v^4 - w^4$

binomial

12) $-9 + 7m - 4m^2$

trinomial

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