

Name : _____

Classifying Polynomials

Classify each polynomial based on number of terms.

1) $-4x^5y - x^4 - 2xy^2 + 8xy$

2) $7v^8 - 9v^6 - 2v^5$

3) $-8a^4 + 5b + c^2 - 4d^3 + 5e^2 + 3f^3 + g^3h$

5) $3uvw$

7) $2g^5h - g^2h + 6 - 4i^5 - r$

9) $q - 2qr$

11) $-4k^7 + 3k^5 + 5k$

12) -19

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Answer key

Sheet 2

Classifying Polynomials

Classify each polynomial based on number of terms.

1) $-4x^5y - x^4 - 2xy^2 + 8xy$

polynomial with 4 terms

2) $7v^8 - 9v^6 - 2v^5$

trinomial

3) $-8a^4 + 5b + c^2 - 3d^3 + 5e^3n$

polynomial with 5 terms

polynomial with 5 terms

5) $3uvw$

monomial

6) $7b^4d^3 + 5 - bc^6d$

polynomial with 5 terms

7) $2g^5h - g^2h + 6 - 3r$

polynomial with 4 terms

8) $5 - r$

binomial with 2 terms

9) $q - 2qr$

binomial

10) $4uv - u^3v + 6 - 4tu^3v$

polynomial with 6 terms

11) $-4k^7 + 3k^5 + 5k$

trinomial

12) -19

monomial

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