

Name : _____

Classifying Polynomials

Sheet 1

Classify each polynomial based on number of terms.

1) $-5u - u^3 + 8$

2) $3abc - a + 8b - 2c + 4bc$

3) $7m^2n^2$

4) $-z^6 + 3z^5 + 5z^4 - 1$

5) $3p^4 + 7pq + 2q^3r^2 - 9 + 2q^7 + pqr$

6) $8 + 3h - gh$

7) $2cd^5 - 9c^5 - 5d^3 + 3$

8) $-6k$

9) $6wxy - xy - 8w^3x$

10) $3p^2 - q$

11) $-3r^5 + rs^3 - 6rs + 5 - 2r^2$

12) $7uvw - v^3w^2 + 9u^2v^4 - 6 + u^2 + 5v$

Name : _____

Answer key

Sheet 1

Classifying Polynomials

Classify each polynomial based on number of terms.

1) $-5u - u^3 + 8$

trinomial

2) $3abc - a + 8b - 2c + 4bc$

polynomial with 5 terms

3) $7m^2n^2$

monomial

4) $-z^6 + 3z^5 + 5z^4 - 1$

polynomial with 4 terms

5) $3p^4 + 7pq + 2q^3r^2 - 9 + 2q^7 + pqr$

polynomial with 6 terms

6) $8 + 3h - gh$

trinomial

7) $2cd^5 - 9c^5 - 5d^3 + 3$

polynomial with 4 terms

8) $-6k$

monomial

9) $6wxy - xy - 8w^3x$

trinomial

10) $3p^2 - q$

binomial

11) $-3r^5 + rs^3 - 6rs + 5 - 2r^2$

polynomial with 5 terms

12) $7uvw - v^3w^2 + 9u^2v^4 - 6 + u^2 + 5v$

polynomial with 6 terms