

Name : _____

Classifying Polynomials

Classify each polynomial based on degree and the number of terms.

1) $-k^2 - 3k - 7$

2) $-\sqrt{8}a$

3) $-2pqr - pq$

$rz - 2y$

5) $5ab - a^3 + b^4 - 4a$

PREVIEW
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7) $3z^3 - y^3z + 6xy$

$v - w^2 + 4u^3 - 8w$

9) $-w^6 - 3w^5 - w^4 + 7$

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11) 17

12) $-3g^4h + g^3h - 7gh - g^6 + 9h^2$

Name : _____

Answer key

Sheet 4

Classifying Polynomials

Classify each polynomial based on degree and the number of terms.

1) $-k^2 - 3k - 7$

quadratic trinomial

2) $-\sqrt{8}a$

linear monomial

3) $-2pqr - pq$

cubic

$rz - 2y$

polynomial with 4 terms

5) $5ab - a^3 + b^4 - 4a$

quintic polyno

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quintic trinomial

7) $3z^3 - y^3z + 6xy$

quartic

$v - w^2 + 4u^3 - 8w$

polynomial with 6 terms

9) $-w^6 - 3w^5 - w^4 +$

sixth degree polynomial with 4 terms

quartic binomial

11) 17

constant monomial

12) $-3g^4h + g^3h - 7gh - g^6 + 9h^2$

sixth degree polynomial with 5 terms