

Name : \_\_\_\_\_

## Classifying Polynomials

Classify each polynomial based on number of terms.

1)  $3s + 8s^5 - s^2 + 9s^6 - s^3$

\_\_\_\_\_

2)  $-p^2q + 5pq^3$

\_\_\_\_\_

3)  $-5 + x^2y - 3yz + 2z^2 + 5z^3 + 6v + 9v^3w^2 + w - 4uv^4w$

\_\_\_\_\_

\_\_\_\_\_

5)  $3s^2t - 10 + 8s^3t$

\_\_\_\_\_

\_\_\_\_\_

7)  $5d^7 + 2$

\_\_\_\_\_

\_\_\_\_\_

9)  $g^3h + 7g^8 - 3g^2l$

\_\_\_\_\_

\_\_\_\_\_

11)  $-11xy^3z^2$

\_\_\_\_\_

12)  $-b^5 + 7b^4 - 3b^2 - b - 5$

\_\_\_\_\_

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**Classifying Polynomials**

Classify each polynomial based on number of terms.

1)  $3s + 8s^5 - s^2 + 9s^6 - s^3$

polynomial with 5 terms

2)  $-p^2q + 5pq^3$

binomial

3)  $-5 + x^2y - 3yz + 2z^2 + 5z^3 + 6v + 9v^3w^2 + w - 4uv^4w$

polynomialpolynomial with 6 terms

5)  $3s^2t - 10 + 8s^3t$

trinomialtrinomial

7)  $5d^7 + 2$

binomial

$+ 12$

binomial

9)  $g^3h + 7g^8 - 3g^2l$

polynomial with 6 terms

$m^3 + n^4$

polynomial with 4 terms

11)  $-11xy^3z^2$

monomial

12)  $-b^5 + 7b^4 - 3b^2 - b - 5$

polynomial with 5 terms**PREVIEW**

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