

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

## Classifying Polynomials

L2S2

Classify each polynomial based on degree.

1)  $-3y^4 - 5y^2 - 3y$

\_\_\_\_\_

2)  $7p^2 - p + 11q + 2pq$

\_\_\_\_\_

3)  $b + 6c^2d^2 - 8b^5c$

\_\_\_\_\_

5)  $9mn^4 - 5m^3 + n$

\_\_\_\_\_

7)  $-7h - gh$

\_\_\_\_\_

9)  $-2s^2t + s - 4s^3 +$

\_\_\_\_\_

11) 34

\_\_\_\_\_

12)  $8w^5 + w^4 - 6w^3 + w^2 - 2w + 10$

\_\_\_\_\_

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$ab^2c - bc + 4b^3$

\_\_\_\_\_

$- 3r^6$

\_\_\_\_\_

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

## Answer key

### Classifying Polynomials

L2S2

Classify each polynomial based on degree.

1)  $-3y^4 - 5y^2 - 3y$

quartic

2)  $7p^2 - p + 11q + 2pq$

quadratic

3)  $b + 6c^2d^2 - 8b^5c$

sixth c

# PREVIEW

quartic

5)  $9mn^4 - 5m^3 + n$

qui

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$ab^2c - bc + 4b^3$

quartic

7)  $-7h - gh$

quad

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linear

9)  $-2s^2t + s - 4s^3 +$

cubic

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$- 3r^6$

sixth degree

11) 34

constant

12)  $8w^5 + w^4 - 6w^3 + w^2 - 2w + 10$

quintic