

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

## Classifying Polynomials

L1S1

Classify each polynomial based on degree.

1)  $7b^2 + b - 9$

\_\_\_\_\_

2)  $3p - 8 - q + r$

\_\_\_\_\_

3)  $uvw - 3w^3 - 2u^2 + u - 7$

\_\_\_\_\_

4)  $12x^2$

\_\_\_\_\_

5)  $-m - 4n + 1$

\_\_\_\_\_

6)  $-6abc - b - 5ab$

\_\_\_\_\_

7)  $3p^3 + p^2 - 2p + 6$

\_\_\_\_\_

8)  $14u$

\_\_\_\_\_

9)  $-wx + 3x - 8y + 5 - x^2$

\_\_\_\_\_

10)  $6r + 3r^3 - rs + 7r^2 - 9s$

\_\_\_\_\_

11)  $-27$

\_\_\_\_\_

12)  $8gh + g$

\_\_\_\_\_

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

## Answer key

### Classifying Polynomials

L1S1

Classify each polynomial based on degree.

1)  $7b^2 + b - 9$

quadratic

2)  $3p - 8 - q + r$

linear

3)  $uvw - 3w^3 - 2u^2 + u - 7$

cubic

4)  $12x^2$

quadratic

5)  $-m - 4n + 1$

linear

6)  $-6abc - b - 5ab$

cubic

7)  $3p^3 + p^2 - 2p + 6$

cubic

8)  $14u$

linear

9)  $-wx + 3x - 8y + 5 - x^2$

quadratic

10)  $6r + 3r^3 - rs + 7r^2 - 9s$

cubic

11)  $-27$

constant

12)  $8gh + g$

quadratic