

Name : _____

Classifying Polynomials

L2S5

Classify each polynomial based on degree.

1) 22

2) $3x^6 + x^3 - x^5 - 2x^4 + x$

3) $-4c^3 + 8c^2d^2 + 3$ 9

5) $-6uv^2 - 7$

$7m^2n^2 + 4n^6 + m^3 + 2$

7) $-p^5 + 2p^4 - p^3 +$

v

9) $3r^3s^3 - r^5 + 7rs -$ $g^2 + g$

11) $6v^2 - w^2$

12) $4a^3bc - b + 8c - a$

PREVIEW

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Name : _____

Answer key

Classifying Polynomials

L2S5

Classify each polynomial based on degree.

1) 22

constant

2) $3x^6 + x^3 - x^5 - 2x^4 + x$

sixth degree

3) $-4c^3 + 8c^2d^2 + 3cd + 9$

quadratic

PREVIEW

linear

5) $-6uv^2 - 7$

cubic

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$7m^2n^2 + 4n^6 + m^3 + 2$

sixth degree

7) $-p^5 + 2p^4 - p^3 + 1$

quintic

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quadratic

9) $3r^3s^3 - r^5 + 7rs - 1$

sixth degree

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$g^2 + g$

quartic

11) $6v^2 - w^2$

quadratic

12) $4a^3bc - b + 8c - a$

quintic