

Name : _____

Recognizing Polynomials

Identify whether the given expression is a polynomial.

1) $7x^2yz - x^2 - y^2 + 8x^6yz + xy$

2) $-6p^3 + p^{-8} + 5p^2$

3) $m^2 + n^{\frac{2}{3}} - 4mn$

5) $-v^5 - v^4 + 4v^3 -$

7) $p^3 - q^2 - \frac{1}{p} + q$

9) $4ab^4c$

10) $-5g^3h - h^3 + \sqrt{g^5} - gh + g^2$

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Answer key

Sheet 2

Recognizing Polynomials

Identify whether the given expression is a polynomial.

1) $7x^2yz - x^2 - y^2 + 8x^6yz + xy$

2) $-6p^3 + p^{-8} + 5p^2$

a polynomial

not a polynomial

3) $m^2 + n^{\frac{2}{3}} - 4mn$

s^5

not a polynomial

polynomial

5) $-v^5 - v^4 + 4v^3 -$

a polynomial

polynomial

7) $p^3 - q^2 - \frac{1}{p} + q$

not a polynomial

a polynomial

9) $4ab^4c$

a polynomial

10) $-5g^3h - h^3 + \sqrt{g^5} - gh + g^2$

not a polynomial

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