

Name : _____

Recognizing Polynomials

Sheet 3

Identify whether the given expression is a polynomial.

1) $7uv - v^2w + \frac{u}{\sqrt{6}}$

2) $m^2 + n^{-7}$

3) $-3 + x + 5y + 9z$

$8a^4c - 2c - 6a$

5) $-4b^2c^6d$

7) $\frac{1}{m^3}$

9) $q^8 + 3q^5 - 6q^3 + q^2$

10) $6vwx - \frac{w}{x} + v^2 - vw^4 + wx$

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Answer key

Sheet 3

Recognizing Polynomials

Identify whether the given expression is a polynomial.

1) $7uv - v^2w + \frac{u}{\sqrt{6}}$

a polynomial

2) $m^2 + n^{-7}$

not a polynomial

3) $-3 + x + 5y + 9z$

not a polynomial

$8a^4c - 2c - 6a$

polynomial

5) $-4b^2c^6d$

a polynomial

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polynomial

7) $\frac{1}{m^3}$

not a polynomial

a polynomial

9) $q^8 + 3q^5 - 6q^3 + q^2$

a polynomial

10) $6vwx - \frac{w}{x} + v^2 - vw^4 + wx$

not a polynomial