

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

## Recognizing Polynomials

Sheet 5

Identify whether the given expression is a polynomial.

1)  $7uv^{-4}w$

\_\_\_\_\_

2)  $6r^3 + 2r^6 - r + 11 - r^2$

\_\_\_\_\_

3)  $-3p - q + pq +$

\_\_\_\_\_

$\frac{w - x^2}{x^3 + x^3} + wx^2 - x$

\_\_\_\_\_

5)  $c^7 + 5c^5 + c^3 +$

\_\_\_\_\_

7)  $4 + 2\sqrt{v}$

\_\_\_\_\_

9)  $-5 + x^4y + 3x^8yz$

\_\_\_\_\_

10)  $9cd + c^2 + d^{\frac{2}{7}}$

\_\_\_\_\_

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## Answer key

Sheet 5

### Recognizing Polynomials

Identify whether the given expression is a polynomial.

1)  $7uv^{-4}w$

not a polynomial

2)  $6r^3 + 2r^6 - r + 11 - r^2$

a polynomial

3)  $-3p - q + pq +$

a polynomial

$\frac{w - x^2}{r^3 + x^3} + wx^2 - x$

not a polynomial

5)  $c^7 + 5c^5 + c^3 +$

not a polynomial

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not a polynomial

7)  $4 + 2\sqrt{v}$

not a polynomial

$-2m^4 + m^5$

a polynomial

9)  $-5 + x^4y + 3x^8yz$

a polynomial

10)  $9cd + c^2 + d^{\frac{2}{7}}$

not a polynomial