

**Polynomials - Multiple Response**

1) Which of the following polynomials contain 2 terms?

a)  $6p^3q^2 - 7p^2$

b)  $-2b + 6c^3$

c)  $3uv + 6uv^2w$

d)  $-r^2 + 6r^3s$

e)  $-6n + n^{-2}$

f)  $a^3b - 7 - 8b^4c + abc + b^3$

2) Which of the following expressions are polynomials?

a)  $2v^3 + \frac{4}{u}$

b)  $n^2 - 7r^3 - a - 5$

c)  $-5m^2 + 6m^3n^2 + n^4$

d)  $x^2 - y^4z - 7x^3y - 6y$

e)  $rs^3t - 7r^3 - 2r^2s^2 - 5$

3) Identify the polynomials.

a)  $2mn^3 - 6m^2 - 8m^3l$

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b)  $8v^4 + 7v^3 - 3v^2 - 9$

d)  $pq - 5q + 3$

e)  $m^2 - 3$

4) Which of the following are polynomials?

a)  $-2a^3 - b^{-4}$

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c)  $\sqrt{d} + 4$

d)  $-5 - y^4z - z - y^3$

e)  $p^3 + 5q - r^2$

5) Identify the polynomials.

a)  $5vw - w^3$

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b)  $3xyz - 52 + 2yz$

d)  $q^4 - q^2 - 6$

e)  $-6x^4 - 3y^3$

f)  $7d - 6c^2d - 2bc - 9$

6) Identify the unlike terms.

a)  $-8cd$

b)  $cd$

c)  $-9c$

d)  $5d^2$

e)  $-7$

f)  $-2d$