

## Polynomials - Multiple Response

1) Identify the algebraic expressions which are not polynomials.

a)  $5ab^2c - 4\sqrt{c}$

b)  $-3uv$

c)  $-p^2 + 2q^3 - r + 5p^2q^{-2}$

d)  $-2m^3 - 3mn^6 - 2$

e)  $-7x^2z^{-3} - 2z + 4$

f)  $\frac{b}{c} - 3$

2) Which of the following polynomials are expressed in standard form?

a)  $-2g^4 - 3g + g^3 - 10 + 6g^2$

b)  $u^3 + uv + 2$

c)  $2a^6 - a^4 + 4a^3 - 5a$

d)  $-4bc - b$

e)  $3pq - r - qr^2$

3) Identify the polynomials.

a)  $u^4 + 8v^3 - 2vw - 9c$

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b)  $-9r^7 - s^3t - 2s^3 + 9rs + t$

d)  $9ab + 3$

c)  $9u - 6uv - 9uvw$

4) Which of the following

a)  $2p^2 + q^3 - 2pqr$

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d)  $5u^5 + u + u^3 - 2$

d)  $-5uv - 2uvw + 3u^2$

e)  $x^2y^2 - 5x + 3yz - 2z^3$

5) Identify the unlike terms.

a)  $-2m^3$

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f)  $5mn$

d)  $5n^3$

e)  $-8mn$

f)  $7m^2$

6) Which of the following polynomials contain 3 terms?

a)  $-5 + r^2 + r$

b)  $4xy + 8 - y^2z - 6xyz$

c)  $2a - 3b - 5c$

d)  $8x^3y - xy^3z + 7y^2z$

e)  $-2c - 7 + d^2$

f)  $p + 8p^2 + 4p^5$