

Name : _____

Polynomials - Multiple Response

Sheet 5

1) Which of the following expressions are polynomials?

a) $m^5 - 2m^3 + 5\sqrt{m} - 4 + m^2$

b) $2rs + 7st^2$

c) $a - 5bc + \frac{c}{c+2}$

d) $-8c^3 + c^2 + c^5 + c + c^4$

e) $u^2 + 4v - \frac{v}{u}$

f) $p^3 - q^{-4}$

2) Which of the following polynomials are not expressed in standard form?

a) $-7r - 5r^5 + r^2 + r^4$

b) $-a + b^5 - 2c$

c) $8pqr - 4qr - p - 1$

d) $u - v^3 - 1$

$9 + s$

3) Which of the following

a) $-6s^2tu^2 + st^4 + t^3u$

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$-8y^5 + y^3 - 4y^4$

d) $qrs + rs + qr + q +$

$a^4b + bc + ab^2c$

4) Identify the algebraic e

a) $-2x^3 + 4x^2y^2 - y^4z -$

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$-bcd$

d) $x^3y - 6xyz - 5z^{-4}$

$\frac{2}{r} - 2rs$

5) Identify the polynomia

a) $p^3qr - 8pq^2r + 8pq$

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$-8 - 9m^2n$

d) $-9d^5 + 3d - d^3 - 8d^2 + 8$

e) $3d^2 - 5c - 6$

f) $2x^2y^2 - 8xy^2 - 4yz$

6) Identify the like terms.

a) $5u$

b) $8u$

c) $-3u$

d) $2u$

e) $-7u$

f) $-uv$