

Polynomials - Multiple Response

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

a) $8p^2q^2r + pq^3 + 9qr + 7$

b) $5b^3 - a^2 + 4$

c) $-6xy - 2y + 4$

d) $-m^4 + m^3 + m^7 + 8 - m$

e) $-4r^2 - st^3$

f) $n^4 - 6m^2n + 2mn - m$

2) Identify the algebraic expressions which are not polynomials.

a) $2a^3 + 8c - 2bc$

b) $m^6 - n^5 + mn$

c) $u^5 - 6u^4 - u^2 + 8u^{-3} + 5$

d) $qr - 9r$

e) $4z - 2$

3) Identify the like terms.

a) $-5x^2y^3$

f) $4yz$

d) y^3

g) $-9x^2y^3$

4) Which of the following

a) $6x - x^3$

h) $5 - r^4s - 3s - 2r^3$

d) $5v - w^4 - 9 + v$

i) $8a - 2b^4c - ab - b^3$

5) Which of the following

a) $4rs - r^3 - s^4$

j) $-8u^3 + 6uv - v^2w - u^4$

d) $12 + u^4 + uv + v^3$

e) $a^2bc - 2a^{-2}c - 6a^3b^7c$

f) $p - \sqrt{q} - r - 4pqr + 7$

6) Identify the polynomials which are not expressed in standard form.

a) $-3d^4 + d^5 - d + d^3$

b) $-6p + 4pr^2$

c) $-4mn + 5m^3$

d) $2z^3 - yz + y$

e) $4rs - r^3 - r^4s$

f) $y^3 - y^4$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

Answer key**Polynomials - Multiple Response**

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

a) $8p^2q^2r + pq^3 + 9qr + 7$

b) $5b^3 - a^2 + 4$

c) $-6xy - 2y + 4$

d) $-m^4 + m^3 + m^7 + 8 - m$

e) $-4r^2 - st^3$

f) $n^4 - 6m^2n + 2mn - m$

2) Identify the algebraic expressions which are not polynomials.

a) $2a^3 + 8c - 2bc$

b) $m^6 - n^5 + mn$

c) $u^5 - 6u^4 - u^2 + 8u^{-3} + 5$

d) $qr - 9r$

e) $4z - 2$

3) Identify the like terms.

a) $-5x^2y^3$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

b) $4yz$

d) y^3

c) $-9x^2y^3$

4) Which of the following

a) $6x - x^3$

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

b) $5 - r^4s - 3s - 2r^3$

d) $5v - w^4 - 9 + v$

c) $8a - 2b^4c - ab - b^3$

5) Which of the following

a) $4rs - r^3 - s^4$

www.mathworksheets4kids.com

b) $-8u^3 + 6uv - v^2w - u^4$

c) $12 + u^4 + uv + v^3$

e) $a^2bc - 2a^2c - 6a^3b^7c$

f) $p - \sqrt{q} - r - 4pqr + 7$

6) Identify the polynomials which are not expressed in standard form.

a) $-3d^4 + d^5 - d + d^3$

b) $-6p + 4pr^2$

c) $-4mn + 5m^3$

d) $2z^3 - yz + y$

e) $4rs - r^3 - r^4s$

f) $y^3 - y^4$