

Name : _____

Adding Polynomials

Multi-variable: L1S1

Arrange and add the polynomials.

1) $7qr^5s^5 - pq - q^4$, $pq + 4p^3 + q^4 + 3qr^5s^5 + 27$ 2) $-2a^4 - 3a - 7b^3 - 13b - 6$, $-22 - a^4 - b - 4a$

3) $32m^2 - 18 + 7n^2 - 6mr$

$cy - 3y^2z + x^3$

5) $-4uvw - 18u^2v^3 - u^5$

$6st^5$, $-5s^4 - s + 33t^3$

7) $9d + 6c^3d^2 - d^4 - 6c$, $-cd - d^4 + 6c^3d^2 + 5c - d$ 8) $-g^4h + 2k^5 - h^6 + 3gh^2$, $h^6 + g^4h - 2k^5 - 8gh^2$

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

Name : _____

Answer key

Adding Polynomials

Multi-variable: L1S1

Arrange and add the polynomials.

1) $7qr^5s^5 - pq - q^4$, $pq + 4p^3 + q^4 + 3qr^5s^5 + 27$ 2) $-2a^4 - 3a - 7b^3 - 13b - 6$, $-22 - a^4 - b - 4a$

$$\begin{array}{r} 7qr^5s^5 - q^4 \quad - pq \\ (+) \quad 3qr^5s^5 + q^4 + 4p^3 + pq + 27 \\ \hline 10qr^5s^5 \quad + 4p^3 \quad + 27 \end{array}$$

$$\begin{array}{r} -2a^4 - 7b^3 - 3a - 13b - 6 \\ (+) \quad -a^4 \quad - 4a - b - 22 \\ \hline -3a^4 - 7b^3 - 7a - 14b - 28 \end{array}$$

3) $32m^2 - 18 + 7n^2 - 6mn$

$$\begin{array}{r} 32m^2 + 7n^2 \\ (+) \quad -32m^2 - 7n^2 \\ \hline \end{array}$$

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

$6xy - 3y^2z + x^3$

$3x^2 + 4xy$

$2x^2 + xy$

$3x^2 + 5xy$

5) $-4uvw - 18u^2v^3 - u^5$

$$\begin{array}{r} -u^5 - \\ (+) \quad 34v^6 + 9u^5 + \\ \hline 34v^6 + 8u^5 - \end{array}$$

$6st^5$, $-5s^4 - s + 33t^3$

$-8tu + 4s + 2$

$+ 33t^3 \quad - s$

$+ 33t^3 - 8tu + 3s + 2$

7) $9d + 6c^3d^2 - d^4 - 6c$, $-cd - d^4 + 6c^3d^2 + 5c - d$ 8) $-g^4h + 2k^5 - h^6 + 3gh^2$, $h^6 + g^4h - 2k^5 - 8gh^2$

$$\begin{array}{r} 6c^3d^2 - d^4 \quad - 6c + 9d \\ (+) \quad 6c^3d^2 - d^4 - cd + 5c - d \\ \hline 12c^3d^2 - 2d^4 - cd - c + 8d \end{array}$$

$$\begin{array}{r} -h^6 + 2k^5 - g^4h + 3gh^2 \\ (+) \quad h^6 - 2k^5 + g^4h - 8gh^2 \\ \hline - 5gh^2 \end{array}$$