

Name : _____

Adding Polynomials

Single-variable: L1S1

Arrange and add the polynomials.

1) $p^3 + 8p^4 + 11$, $-4p^3 - 36 - 8p^4$

2) $-7r^3 + r^5 - 2r - r^4 + r^2$, $r^4 - 16 + 2r^3 - 5r^5 + r$

3) $-u - 3u^3 - 2u^4 - u^2$,

$16s^3 - 8 + 29s^4 - 6s^2$

5) $-7x^4 - 9x^2 - 5x^5 - 4x^6 -$

$-25d - 19 - 7d^5 + 6d^4$

7) $n + 12n^5 - 3n^4 - n^2$, $3n^4 - n^2 - 26n^3 - n + 9n^5$

8) $-g^5 - 8g^6 + 35g^4 - 9$, $33g^5 - g^6 + 2$

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

Single-variable: L1S1

Arrange and add the polynomials.

1) $p^3 + 8p^4 + 11$, $-4p^3 - 36 - 8p^4$

$$\begin{array}{r} 8p^4 + p^3 + 11 \\ (+) -8p^4 - 4p^3 - 36 \\ \hline -3p^3 - 25 \end{array}$$

2) $-7r^3 + r^5 - 2r - r^4 + r^2$, $r^4 - 16 + 2r^3 - 5r^5 + r$

$$\begin{array}{r} r^5 - r^4 - 7r^3 + r^2 - 2r \\ (+) -5r^5 + r^4 + 2r^3 + r - 16 \\ \hline -4r^5 - 5r^3 + r^2 - r - 16 \end{array}$$

3) $-u - 3u^3 - 2u^4 - u^2$,

$$\begin{array}{r} -2u^4 - 3u^3 - u^2 - u \\ (+) 17u^4 + 5u^3 + 2u^2 + u \\ \hline 15u^4 + 2u^3 + u^2 \end{array}$$

$16s^3 - 8 + 29s^4 - 6s^2$

$$\begin{array}{r} 3s^3 + s^2 \\ (+) 5s^3 - 6s^2 - 8 \\ \hline 8s^3 - 5s^2 - 8 \end{array}$$

5) $-7x^4 - 9x^2 - 5x^5 - 4x^6$

$$\begin{array}{r} -4x^6 - 5x^5 - 7x^4 - 9x^2 \\ (+) -8x^5 - 4x^6 \\ \hline -4x^6 - 13x^5 - 7x^4 - 9x^2 \end{array}$$

$-25d - 19 - 7d^5 + 6d^4$

$$\begin{array}{r} 4 - d + 19 \\ (+) 4 - 25d - 19 \\ \hline -26d \end{array}$$

7) $n + 12n^5 - 3n^4 - n^2$, $3n^4 - n^2 - 26n^3 - n + 9n^5$ 8) $-g^5 - 8g^6 + 35g^4 - 9$, $33g^5 - g^6 + 2$

$$\begin{array}{r} 12n^5 - 3n^4 - n^2 + n \\ (+) 9n^5 + 3n^4 - 26n^3 - n^2 - n \\ \hline 21n^5 - 26n^3 - 2n^2 \end{array}$$

$$\begin{array}{r} -8g^6 - g^5 + 35g^4 - 9 \\ (+) -g^6 + 33g^5 + 2 \\ \hline -9g^6 + 32g^5 + 35g^4 - 7 \end{array}$$

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