

Name : _____

Adding Binomials

Multi-variable: L1S2

Arrange and add the binomials.

1) $-7x^4 - 12y$, $-x^2 - y^3$

2) $2n^2 - 7m$, $3n^2 + 4m$

3) $-5r^4s^2t^2 + rs$

$v - 8u$

5) $-d^5 - bc$,

$, 6 - 6p^2q^2r^2$

7) $9g^4h^4 + 2g^6$, $6g^6 - 9g^4h^4$

8) $-3y^3z + 2z^5$, $-y^3z + 3z^5$

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Name : _____

Answer key

Adding Binomials

Multi-variable: L1S2

Arrange and add the binomials.

1) $-7x^4 - 12y$, $-x^2 - y^3$

$$\begin{array}{r} -7x^4 \qquad - 12y \\ (+) \quad - y^3 - x^2 \\ \hline -7x^4 - y^3 - x^2 - 12y \end{array}$$

2) $2n^2 - 7m$, $3n^2 + 4m$

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

3) $-5r^4s^2t^2 + rs$

$$\begin{array}{r} -5r^4s \\ (+) \quad -5r^4s \\ \hline -5r^4s \end{array}$$

5) $-d^5 - bc$,

$$\begin{array}{r} -d^5 - \\ (+) \quad 7d^5 - \\ \hline 6d^5 - \end{array}$$

$v - 8u$

$$\begin{array}{r} 5v \\ v \\ \hline 4v \end{array}$$

$, 6 - 6p^2q^2r^2$

$$\begin{array}{r} p^2r^2 + 8p^4 \\ p^2r^2 \qquad + 6 \\ \hline p^2r^2 + 8p^4 + 6 \end{array}$$

7) $9g^4h^4 + 2g^6$, $6g^6 - 9g^4h^4$

$$\begin{array}{r} 9g^4h^4 + 2g^6 \\ (+) \quad -9g^4h^4 + 6g^6 \\ \hline 8g^6 \end{array}$$

8) $-3y^3z + 2z^5$, $-y^3z + 3z^5$

$$\begin{array}{r} 2z^5 - 3y^3z \\ (+) \quad 3z^5 - y^3z \\ \hline 5z^5 - 4y^3z \end{array}$$

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