

Name : _____

Adding Binomials

Multi-variable: L1S3

Arrange and add the binomials.

1) $2p + 3pq^3r$, $4pq^3r - 2pq^2$ 2) $-8c^2 - 2c^2d$, $c^2d - 9c^2$

3) $m^2 - n$,

PREVIEW

$-3g^3h + h^3$

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5) $-9w^6 - 5xy$

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$-11v - 6u$

7) $7a^3 + ab$, $-ab + a^3$

8) $-5 - 4rs^4t$, $7rs^4t - 2$

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Answer key

Adding Binomials

Multi-variable: L1S3

Arrange and add the binomials.

1) $2p + 3pq^3r$, $4pq^3r - 2pq^2$ 2) $-8c^2 - 2c^2d$, $c^2d - 9c^2$

$$\begin{array}{r} 3pq^3r \quad + 2p \\ (+) 4pq^3r - 2pq^2 \\ \hline 7pq^3r - 2pq^2 + 2p \end{array}$$

$$\begin{array}{r} -2c^2d - 8c^2 \\ (+) c^2d - 9c^2 \\ \hline -c^2d - 17c^2 \end{array}$$

3) $m^2 - n$,

$$\begin{array}{r} m^2 \\ (+) m^2 \\ \hline 2m^2 \end{array}$$

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$-3g^3h + h^3$

$$\begin{array}{r} - 5 \\ 3g^3h + h^3 \\ \hline 3g^3h + h^3 - 5 \end{array}$$

5) $-9w^6 - 5xy$

$$\begin{array}{r} -9w^6 \\ (+) 4w^6 \\ \hline -5w^6 \end{array}$$

$-11v - 6u$

$$\begin{array}{r} 18v \\ 11v \\ \hline 7v \end{array}$$

7) $7a^3 + ab$, $-ab + a^3$

$$\begin{array}{r} 7a^3 + ab \\ (+) a^3 - ab \\ \hline 8a^3 \end{array}$$

8) $-5 - 4rs^4t$, $7rs^4t - 2$

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