

Name : _____

Adding Binomials

Single-variable: L1S2

Arrange and add the binomials.

1) $z^4 + 2z$, $-4z^3 - 5z$

2) $-u^2 - 2$, $-5 + 7u^2$

3) $d - 13$,

PREVIEW

$b^3 + 3b^2$

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5) $-3q^5 - 3q^2$

$2g^2 - 3$

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7) $y^3 - 5y^6$, $-4y^6 - y^3$

8) $7n - 4$, $3n - 3$

Name : _____

Answer key

Adding Binomials

Single-variable: L1S2

Arrange and add the binomials.

1) $z^4 + 2z$, $-4z^3 - 5z$

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

2) $-u^2 - 2$, $-5 + 7u^2$

$$\begin{array}{r} -u^2 - 2 \\ (+) \quad 7u^2 - 5 \\ \hline 6u^2 - 7 \end{array}$$

3) $d - 13$,

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

PREVIEW

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$b^3 + 3b^2$

$$\begin{array}{r} 2b^2 \\ 3b^2 \\ \hline 5b^2 \end{array}$$

5) $-3q^5 - 3q^2$

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

$2g^2 - 3$

$$\begin{array}{r} g^3 \\ 2g^2 - 3 \\ \hline g^3 + 2g^2 - 3 \end{array}$$

7) $y^3 - 5y^6$, $-4y^6 - y^3$

$$\begin{array}{r} -5y^6 + y^3 \\ (+) \quad -4y^6 - y^3 \\ \hline -9y^6 \end{array}$$

8) $7n - 4$, $3n - 3$

$$\begin{array}{r} 7n - 4 \\ (+) \quad 3n - 3 \\ \hline 10n - 7 \end{array}$$