

Name : _____

Adding Binomials

Multi-variable: L2S4

Arrange and add the binomials.

1) $x^5 - y^2$, $\frac{2}{3}y^2 + 3x^5$

2) $uv^4 + \frac{1}{3}$, $-\frac{1}{3}uv^4 + \frac{1}{3}$

3) $16p + 4q^3$

PREVIEW

, $7bc - \frac{1}{2}a^2$

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5) $\frac{5}{7}w^6 + xyz$

, $-\frac{2}{5}r - \frac{1}{9}rs^3$

7) $-3bcd - \frac{3}{8}$, $a^4b^5 - \frac{5}{8}$

8) $-u^5 + v^3$, $\frac{1}{4}u^4 - uv$

Answer key**Adding Binomials**

Multi-variable: L2S4

Arrange and add the binomials.

1) $x^5 - y^2$, $\frac{2}{3}y^2 + 3x^5$

$$\begin{array}{r} x^5 - y^2 \\ (+) 3x^5 + \frac{2}{3}y^2 \\ \hline 4x^5 - \frac{1}{3}y^2 \end{array}$$

2) $uv^4 + \frac{1}{3}$, $-\frac{1}{3}uv^4 + \frac{1}{3}$

$$\begin{array}{r} uv^4 + \frac{1}{3} \\ (+) -\frac{1}{3}uv^4 + \frac{1}{3} \\ \hline \frac{2}{3} \end{array}$$

3) $16p + 4q^3$

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

, $7bc - \frac{1}{2}a^2$

- $7bc$

+ $7bc$

5) $\frac{5}{7}w^6 + xyz$

$$\begin{array}{r} \frac{5}{7}w \\ (+) -w \\ \hline -\frac{2}{7}w \end{array}$$

, $-\frac{2}{5}r - \frac{1}{9}rs^3$

+ $\frac{4}{5}r$

- $\frac{2}{5}r$

+ $\frac{2}{5}r$

7) $-3bcd - \frac{3}{8}$, $a^4b^5 - \frac{5}{8}$

$$\begin{array}{r} -3bcd - \frac{3}{8} \\ (+) a^4b^5 - \frac{5}{8} \\ \hline a^4b^5 - 3bcd - 1 \end{array}$$

8) $-u^5 + v^3$, $\frac{1}{4}u^4 - uv$

$$\begin{array}{r} -u^5 + v^3 \\ (+) \frac{1}{4}u^4 - uv \\ \hline -u^5 + \frac{1}{4}u^4 + v^3 - uv \end{array}$$

PREVIEW

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