

Name : _____

Adding Binomials

Multi-variable: L2S2

Arrange and add the binomials.

1) $\frac{3}{4}p^2 - 12q$, $17q - \frac{1}{2}p^2$

2) $-\frac{1}{5}rs^2t + \frac{1}{6}s^4$, $\frac{3}{5}rs^2t + 6st$

3) $-u^5 + \frac{2}{3}uvw$

PREVIEW

$19 + 6m^4n^6$

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5) $\frac{3}{8}b + \frac{2}{7}a$

$\frac{1}{7}gh^3 - \frac{2}{3}g^6$

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7) $\frac{4}{5} - 8y^3$, $-z^4 + 3y^5z$

8) $2cd^3 + \frac{7}{9}b^4$, $7cd^3 - \frac{7}{9}b^4$

Answer key

Adding Binomials

Multi-variable: L2S2

Arrange and add the binomials.

1) $\frac{3}{4}p^2 - 12q$, $17q - \frac{1}{2}p^2$

$$\begin{array}{r} \frac{3}{4}p^2 - 12q \\ (+) -\frac{1}{2}p^2 + 17q \\ \hline \frac{1}{4}p^2 + 5q \end{array}$$

2) $-\frac{1}{5}rs^2t + \frac{1}{6}s^4$, $\frac{3}{5}rs^2t + 6st$

$$\begin{array}{r} \frac{1}{6}s^4 - \frac{1}{5}rs^2t \\ (+) \frac{3}{5}rs^2t + 6st \\ \hline \frac{1}{6}s^4 + \frac{2}{5}rs^2t + 6st \end{array}$$

3) $-u^5 + \frac{2}{3}uvw$

$$\begin{array}{r} -u^5 + \frac{2}{3}uvw \\ (+) \frac{1}{3}uvw \\ \hline -u^5 + uvw \\ (-) -\frac{2}{3}uvw \\ \hline -\frac{1}{3}uvw \end{array}$$

$19 + 6m^4n^6$

$$\begin{array}{r} n^6 - 2 \\ (+) n^6 + 19 \\ \hline 2n^6 + 17 \end{array}$$

5) $\frac{3}{8}b + \frac{2}{7}a$

$$\begin{array}{r} \frac{2}{7}a + \frac{3}{8}b \\ (+) \frac{3}{7}a + \frac{5}{7}b \\ \hline \frac{5}{7}a + \frac{3}{8}b \end{array}$$

$\frac{1}{7}gh^3 - \frac{2}{3}g^6$

$$\begin{array}{r} -gh^3 \\ (+) \frac{1}{7}gh^3 \\ \hline -\frac{6}{7}gh^3 \end{array}$$

7) $\frac{4}{5} - 8y^3$, $-z^4 + 3y^5z$

$$\begin{array}{r} -8y^3 + \frac{4}{5} \\ (+) 3y^5z - z^4 \\ \hline 3y^5z - z^4 - 8y^3 + \frac{4}{5} \end{array}$$

8) $2cd^3 + \frac{7}{9}b^4$, $7cd^3 - \frac{7}{9}b^4$

$$\begin{array}{r} \frac{7}{9}b^4 + 2cd^3 \\ (+) -\frac{7}{9}b^4 + 7cd^3 \\ \hline 9cd^3 \end{array}$$

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