

Name : _____

Adding Binomials

Multi-variable: L2S3

Arrange and add the binomials.

1) $\frac{2}{5}t^5 + u^6$, $-u^6 - 5t^5$

2) $\frac{2}{3}b - 8c$, $\frac{1}{2}b - c$

3) $-\frac{1}{2}s^4 - \frac{4}{5}rs$

PREVIEW

r^2 , $\frac{3}{7}u^4 - v^6$

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5) $\frac{2}{3}m^3 - \frac{3}{4}n$

$2k - 2g^2h$

7) $-7 + \frac{5}{6}pq$, $q^3 + 14$

8) $xyz^2 + \frac{1}{8}$, $-7xyz^2 + \frac{1}{2}$

Answer key

Adding Binomials

Multi-variable: L2S3

Arrange and add the binomials.

1) $\frac{2}{5}t^5 + u^6$, $-u^6 - 5t^5$

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

2) $\frac{2}{3}b - 8c$, $\frac{1}{2}b - c$

$$\begin{array}{r} \frac{2}{3}b - 8c \\ (+) \frac{1}{2}b - c \\ \hline \end{array}$$

3) $-\frac{1}{2}s^4 - \frac{4}{5}rs^2$

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

$\frac{3}{7}u^4 - v^6$

$$\begin{array}{r} \frac{1}{7}u^5 + \frac{3}{7}uv^2 \\ + \frac{3}{7}u^4 \\ \hline \frac{1}{7}u^5 + \frac{3}{7}u^4 + \frac{3}{7}uv^2 \end{array}$$

5) $\frac{2}{3}m^3 - \frac{3}{4}n$

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

$2k - 2g^2h$

$$\begin{array}{r} + 3k \\ + 2k \\ \hline + 5k \end{array}$$

7) $-7 + \frac{5}{6}pq$, $q^3 + 14$

$$\begin{array}{r} \frac{5}{6}pq - 7 \\ (+) q^3 + 14 \\ \hline q^3 + \frac{5}{6}pq + 7 \end{array}$$

8) $xyz^2 + \frac{1}{8}$, $-7xyz^2 + \frac{1}{2}$

$$\begin{array}{r} xyz^2 + \frac{1}{8} \\ (+) -7xyz^2 + \frac{1}{2} \\ \hline -6xyz^2 + \frac{5}{8} \end{array}$$

PREVIEW

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