

Name : \_\_\_\_\_

## Adding Binomials

Multi-variable: L2S5

Arrange and add the binomials.

1)  $\frac{4}{7}g^4 + \frac{5}{8}h$  ,  $\frac{1}{8}h^2 - \frac{1}{8}h$       2)  $\frac{2}{3} - 5pq^2r$  ,  $1 + 5pq^2r$

3)  $-ab^5c + \frac{2}{7}a$

# PREVIEW

,  $-xyz + \frac{3}{4}x^3$

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5)  $\frac{5}{9}qr^3 - s^3$  ,

$3n - 5m$

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7)  $2t^5 - u$  ,  $\frac{5}{6} + t^3$

8)  $7c^6d - \frac{3}{5}$  ,  $\frac{2}{5}cd^3 - \frac{1}{5}$

**Answer key**

**Adding Binomials**

Multi-variable: L2S5

Arrange and add the binomials.

1)  $\frac{4}{7}g^4 + \frac{5}{8}h$  ,  $\frac{1}{8}h^2 - \frac{1}{8}h$

$$\begin{array}{r} \frac{4}{7}g^4 \quad + \frac{5}{8}h \\ (+) \quad \frac{1}{8}h^2 - \frac{1}{8}h \\ \hline \frac{4}{7}g^4 + \frac{1}{8}h^2 + \frac{5}{8}h - \frac{1}{8}h \end{array}$$

2)  $\frac{2}{3} - 5pq^2r$  ,  $1 + 5pq^2r$

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

3)  $-ab^5c + \frac{2}{7}a$

$$\begin{array}{r} -ab^5c + \frac{2}{7}a \\ (+) \quad \frac{1}{4}a \\ \hline -ab^5c + \frac{3}{4}a \end{array}$$

,  $-xyz + \frac{3}{4}x^3$

$$\begin{array}{r} \frac{2}{3}xyz \\ xyz \\ \hline \frac{1}{3}xyz \end{array}$$

5)  $\frac{5}{9}qr^3 - s^3$

$$\begin{array}{r} \frac{5}{9}qr^3 - s^3 \\ (+) \quad -q \\ \hline \frac{5}{9}qr^3 - q - s^3 \end{array}$$

$3n - 5m$

$$\begin{array}{r} + 8n \\ + 3n \\ \hline + 11n \end{array}$$

7)  $2t^5 - u$  ,  $\frac{5}{6} + t^3$

$$\begin{array}{r} 2t^5 \quad - u \\ (+) \quad t^3 \quad + \frac{5}{6} \\ \hline 2t^5 + t^3 - u + \frac{5}{6} \end{array}$$

8)  $7c^6d - \frac{3}{5}$  ,  $\frac{2}{5}cd^3 - \frac{1}{5}$

$$\begin{array}{r} 7c^6d \quad - \frac{3}{5} \\ (+) \quad \frac{2}{5}cd^3 - \frac{1}{5} \\ \hline 7c^6d + \frac{2}{5}cd^3 - \frac{4}{5} \end{array}$$

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