

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

## Adding Binomials

Single-variable: L2S1

Arrange and add the binomials.

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

2)  $6u^3 - u$  ,  $\frac{4}{5}u^2 - 13$

3)  $-z^4 - \frac{2}{3}$  ,  $\frac{1}{5}$

# PREVIEW

$-m - \frac{1}{2}m^2$

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5)  $\frac{2}{7}s^6 + \frac{1}{2}s^3$  ,

$+ 2p^5$

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7)  $g^3 - 1$  ,  $6g^3 + 3g^2$

8)  $\frac{1}{3}n^6 + \frac{1}{3}n^4$  ,  $-\frac{2}{3}n^6 + \frac{1}{3}n^4$

**Answer key**

**Adding Binomials**

Single-variable: L2S1

Arrange and add the binomials.

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

$$\begin{array}{r} a^2 + \frac{1}{3}a \\ (+) -4a^2 - 3a \\ \hline -3a^2 - \frac{8}{3}a \end{array}$$

2)  $6u^3 - u$  ,  $\frac{4}{5}u^2 - 13$

$$\begin{array}{r} 6u^3 - u \\ (+) \frac{4}{5}u^2 - 13 \\ \hline 6u^3 + \frac{4}{5}u^2 - u - 13 \end{array}$$

3)  $-z^4 - \frac{2}{3}$  ,  $\frac{1}{5}z^4 - m - \frac{1}{2}m^2$

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

5)  $\frac{2}{7}s^6 + \frac{1}{2}s^3$  ,  $+2p^5$

$$\begin{array}{r} \frac{2}{7}s^6 + \frac{1}{2}s^3 \\ (+) \frac{5}{7}s^6 + 2p^5 \\ \hline s^6 + \frac{1}{2}s^3 + 2p^5 + \frac{5}{7}s^6 \end{array}$$

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7)  $g^3 - 1$  ,  $6g^3 + 3g^2$

$$\begin{array}{r} g^3 - 1 \\ (+) 6g^3 + 3g^2 \\ \hline 7g^3 + 3g^2 - 1 \end{array}$$

8)  $\frac{1}{3}n^6 + \frac{1}{3}n^4$  ,  $-\frac{2}{3}n^6 + \frac{1}{3}n^4$

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