

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

## Adding Binomials

Single-variable: L2S5

Arrange and add the binomials.

1)  $\frac{1}{3}y^2 - y^6$  ,  $\frac{1}{2}y^2 + 5y^6$

2)  $-3p^5 + \frac{5}{8}$  ,  $\frac{6}{7}p^5 - \frac{7}{8}$

3)  $12 + \frac{3}{4}a$  , -

# PREVIEW

-  $s^4$

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5)  $-5g^3 + 7$  ,  $\frac{2}{5}v$

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

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

8)  $-q^2 - \frac{5}{7}q$  ,  $4q^2 + \frac{3}{7}$

**Answer key****Adding Binomials**

Single-variable: L2S5

Arrange and add the binomials.

1)  $\frac{1}{3}y^2 - y^6$  ,  $\frac{1}{2}y^2 + 5y^6$

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

2)  $-3p^5 + \frac{5}{8}$  ,  $\frac{6}{7}p^5 - \frac{7}{8}$

$$\begin{array}{r} -3p^5 + \frac{5}{8} \\ (+) \frac{6}{7}p^5 - \frac{7}{8} \\ \hline \frac{15}{7}p^5 - \frac{1}{4} \end{array}$$

3)  $12 + \frac{3}{4}a$  ,  $-s^4$

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

5)  $-5g^3 + 7$  ,  $-\frac{2}{5}v$

$$\begin{array}{r} -5g^3 \\ (+) \\ \hline -5g^3 \end{array}$$

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

$$\begin{array}{r} 7r^4 - \frac{3}{8} \\ (+) -5r^4 - \frac{1}{2} \\ \hline 2r^4 - \frac{7}{8} \end{array}$$

8)  $-q^2 - \frac{5}{7}q$  ,  $4q^2 + \frac{3}{7}$

$$\begin{array}{r} -q^2 - \frac{5}{7}q \\ (+) 4q^2 + \frac{3}{7} \\ \hline 3q^2 - \frac{5}{7}q + \frac{3}{7} \end{array}$$

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