

Name : _____

Adding Binomials

Single-variable: L2S4

Arrange and add the binomials.

1) $8 - 7p$, $8p - 15$

2) $6n^4 - \frac{5}{8}$, $\frac{1}{2}n^4 + \frac{1}{8}$

3) $\frac{1}{3}s + 9s^2$, $5s^2 - 3s$

PREVIEW

$-k^5 - 5k^2$

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5) $-\frac{3}{4}w^5 - \frac{1}{9}$, $-\frac{1}{4}w^5 - \frac{1}{9}$

$-3a^3$

7) $-h^2 + \frac{5}{6}$, $\frac{1}{4}h^2 - \frac{5}{6}h^4$

8) $2v^3 + \frac{3}{5}v^5$, $v^4 + \frac{4}{5}v^2$

Answer key

Adding Binomials

Single-variable: L2S4

Arrange and add the binomials.

1) $8 - 7p$, $8p - 15$

$$\begin{array}{r} -7p + 8 \\ (+) 8p - 15 \\ \hline \end{array}$$

2) $6n^4 - \frac{5}{8}$, $\frac{1}{2}n^4 + \frac{1}{8}$

$$\begin{array}{r} 6n^4 - \frac{5}{8} \\ (+) \frac{1}{2}n^4 + \frac{1}{8} \\ \hline \end{array}$$

3) $\frac{1}{3}s + 9s^2$, $s^2 - 5k^2$

$$\begin{array}{r} 9s^2 \\ (+) s^2 \\ \hline 10s^2 \end{array}$$

$$\begin{array}{r} -k^5 - 5k^2 \\ + k^2 \\ \hline \frac{1}{3}k^5 - 5k^2 \\ + \frac{1}{3}k^5 - 4k^2 \end{array}$$

5) $-\frac{3}{4}w^5 - \frac{1}{9}$, $-3a^3$

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

$$\begin{array}{r} -3a^3 \\ - 1 \\ - \frac{7}{9} \\ \hline - \frac{16}{9} \end{array}$$

7) $-h^2 + \frac{5}{6}$, $\frac{1}{4}h^2 - \frac{5}{6}h^4$

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

8) $2v^3 + \frac{3}{5}v^5$, $v^4 + \frac{4}{5}v^2$

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

PREVIEW

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