

Name : _____

Adding Polynomials

Multi-variable: L2S3

Add the polynomials.

1) $\frac{5}{7}v^3 - \frac{3}{5}u + v$, $-\frac{1}{4}uv^2 - \frac{4}{7}u - \frac{6}{7}v^3 - v - \frac{1}{6}uv$

2) $\frac{1}{3}m + \frac{3}{4}n^4 - n - 5$, $n + 5 - \frac{3}{4}n^4 - mn - \frac{1}{3}m$

3) $\frac{2}{5} - \frac{2}{9}g^2 - \frac{7}{8}k - \frac{3}{7}g -$

PREVIEW

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5) $-9a^6b - abc + 13 + 4b$

$\frac{1}{9} - \frac{1}{9}z^2$, $\frac{8}{9} + \frac{7}{9}x + \frac{1}{9}z^2$

5 , $qr^6s + \frac{1}{2}s^6 + 19s^5 + 11q$

7) $27pq^2 + \frac{5}{8}p^3q^2 - \frac{1}{8}$, $-\frac{5}{8}p^3q^2 - 27pq^2 + \frac{1}{8}$

8) $-2t - uv^2w^4 - 7u^3$, $-9w^4 - 18 - \frac{2}{3}t - 9uv^2w^4$

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Answer key

Adding Polynomials

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Add the polynomials.

1) $\frac{5}{7}v^3 - \frac{3}{5}u + v$, $-\frac{1}{4}uv^2 - \frac{4}{7}u - \frac{6}{7}v^3 - v - \frac{1}{6}uv$

2) $\frac{1}{3}m + \frac{3}{4}n^4 - n - 5$, $n + 5 - \frac{3}{4}n^4 - mn - \frac{1}{3}m$

$-\frac{1}{7}v^3 - \frac{1}{4}uv^2 - \frac{1}{6}uv - \frac{41}{35}u$

$-mn$

3) $\frac{2}{5} - \frac{2}{9}g^2 - \frac{7}{8}k - \frac{3}{7}g -$

$\frac{1}{9} - \frac{1}{9}z^2$, $\frac{8}{9} + \frac{7}{9}x + \frac{1}{9}z^2$

$h^5 - \frac{5}{6}g^3 - \frac{2}{9}g^2 - k^2 +$

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5) $-9a^6b - abc + 13 + 4b$

5 , $qr^6s + \frac{1}{2}s^6 + 19s^5 + 11q$

$5a^6b + 4bc^4 - abc$

$-rs + 15q$

7) $27pq^2 + \frac{5}{8}p^3q^2 - \frac{1}{8}$, $-\frac{5}{8}p^3q^2 - 27pq^2 + \frac{1}{8}$

8) $-2t - uv^2w^4 - 7u^3$, $-9w^4 - 18 - \frac{2}{3}t - 9uv^2w^4$

0

$-10uv^2w^4 - 9w^4 - 7u^3 - \frac{8}{3}t - 18$