

Name : _____

Adding Polynomials

Multi-variable: L154

Add the polynomials.

1) $21g^3h - k + 7 - 10h^5 - 2g$, $2g^3h - 19 + 2g$

2) $16uvw - w + 9 + 2v^2$, $-9 + u^4v + w - 3uv + u^2$

3) $5w^2xy + 6y - w + 4x$,

, $-3 + 6c^3d^3 - 12c^2d - 5c$

5) $mn - m - n^2 - 8 - 9m^4$

$10 + 2ab^2 + 7ab + 5ab^5 + b^3$

7) $-11st - 9st^3 - 8s^5 - 6t^6$, $-25 - 4st^3 - 14st$

8) $33q^6r + 6p^3qr^6 + 5p$, $-2p^3qr^6 - 5p - 33q^6r$

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Name : _____

Answer key

Adding Polynomials

Multi-variable: L154

Add the polynomials.

1) $21g^3h - k + 7 - 10h^5 - 2g$, $2g^3h - 19 + 2g$

$-10h^5 + 23g^3h - k - 12$

2) $16uvw - w + 9 + 2v^2$, $-9 + u^4v + w - 3uv + u^2$

$u^4v + 16uvw + u^2 + 2v^2 - 3uv$

3) $5w^2xy + 6y - w + 4x$,

$4w^2xy + 12y$

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$-3 + 6c^3d^3 - 12c^2d - 5c$

$5c$

5) $mn - m - n^2 - 8 - 9m^4$

$-6m^4 - 2n^2 - 4$

$10 + 2ab^2 + 7ab + 5ab^5 + b^3$

$+ 7ab + 19a + 10$

7) $-11st - 9st^3 - 8s^5 - 6t^6$, $-25 - 4st^3 - 14st$

$-6t^6 - 8s^5 - 13st^3 - 25st - 25$

8) $33q^6r + 6p^3qr^6 + 5p$, $-2p^3qr^6 - 5p - 33q^6r$

$4p^3qr^6$