

Name : _____

Adding Polynomials

Multi-variable: L1S3

Add the polynomials.

1) $-8n^6 + 6n^2 + 12m^4 - 5m$, $19m^4 - 26 - 4n^2 + m^5$ 2) $-p^5q - 14p^6 + p + 20$, $-20 + p^5q + 14p^6 - p$

3) $22ab - 10cd - 14c$, _____ , $8rst^2 + s - 9r + 11t + 18$

5) $7 + 2uv^2 + 13u^4v + v +$ _____ $2h^6 - 12gh + 3g - 6k$

7) $-x^2y^2z - 2xy^3 - 2$, $-2xy^5 - 2 - 8xy^3 - 4x^2y^2z - y^5$ 8) $9vw^5x - 7wx^2 - v - w^2$, $-4w^3x^2 + 2w^2 + 6vw^5x$

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Name : _____

Answer key

Adding Polynomials

Multi-variable: L153

Add the polynomials.

1) $-8n^6 + 6n^2 + 12m^4 - 5m$, $19m^4 - 26 - 4n^2 + m^5$ 2) $-p^5q - 14p^6 + p + 20$, $-20 + p^5q + 14p^6 - p$

$-8n^6 + m^5 + 31m^4 + 2n^2 - 5m - 26$

0

3) $22ab - 10cd - 14c$,

r , $8rst^2 + s - 9r + 11t + 18$

$6ab$

5) $7 + 2uv^2 + 13u^4v + v +$

$2h^6 - 12gh + 3g - 6k$

$13u^4v + 3uv^2 - 6v + 6$

7) $-x^2y^2z - 2xy^3 - 2$, $-2xy^5 - 2 - 8xy^3 - 4x^2y^2z - y^5$ 8) $9vw^5x - 7wx^2 - v - w^2$, $-4w^3x^2 + 2w^2 + 6vw^5x$

$-2xy^5 - y^5 - 5x^2y^2z - 10xy^3 - 4$

$15vw^5x - 4w^3x^2 - 7wx^2 + w^2 - v$

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