

Name : _____

Adding Polynomials

Single-variable: L1S2

Add the polynomials.

1) $12q^6 - 25 + 4q - 17q^2$, $5q^2 + 38q^3 - 15q^6$

2) $-5m^2 + 3m^3 - 22m$, $18m + 5m^2 + 38m^3$

3) $2g - 4g^4 - 9 - g^2 - 12g$

$-6s^3 - 37 - s - 5s^4 - 11s^2$

5) $-4h^3 + 7h + 10 + h^5 - h$

t^2 , $5 - 13t^6 + t + 24t^3 + 7t^4$

7) $15k^2 + 30k - 9k^4 - 16k^5$, $2k^4 + k^2 + 8k - 4k^5$

8) $-10a^4 - 2a^3 - 9a$, $2a^3 + 10a^4 + 9a + 6a^2$

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Name : _____

Answer key

Adding Polynomials

Single-variable: L1S2

Add the polynomials.

1) $12q^6 - 25 + 4q - 17q^2$, $5q^2 + 38q^3 - 15q^6$

2) $-5m^2 + 3m^3 - 22m$, $18m + 5m^2 + 38m^3$

$-3q^6 + 38q^3 - 12q^2 + 4q - 25$

$41m^3 - 4m$

3) $2g - 4g^4 - 9 - g^2 - 12g$

$-6s^3 - 37 - s - 5s^4 - 11s^2$

$4g^3 - g^2 + 5g + 9$

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5) $-4h^3 + 7h + 10 + h^5 - 1$

t^2 , $5 - 13t^6 + t + 24t^3 + 7t^4$

$-2h^2 + 25h + 8$

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$-4t^2 + 15t + 5$

7) $15k^2 + 30k - 9k^4 - 16k^5$, $2k^4 + k^2 + 8k - 4k^5$

8) $-10a^4 - 2a^3 - 9a$, $2a^3 + 10a^4 + 9a + 6a^2$

$-20k^5 - 7k^4 + 16k^2 + 38k$

$6a^2$