

Name : \_\_\_\_\_

## Adding Polynomials

Single-variable: L1S5

Add the polynomials.

1)  $-s^4 - 6s^3 + 1 - 10s^6 + 2s^2$  ,  $-s - 8s^6 + 3s^4 + 5s^3$       2)  $2h^5 + 25 + 3h^2 + 7h^3$  ,  $-h^5 - 25 - 4h^2$

3)  $3t^3 - 7t^4 - 39t + 2t^5$  ,

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5)  $-11v - v^6 - v^4$  ,  $-27v$

$^2 + 14 - 3y$

$-2c$  ,  $2c + 2c^4 + c^6 + c^2 + 3$

7)  $12 - 7q^2 + 28q$  ,  $7q^2 + 12 - 28q$

8)  $-n + 22n^2 + 3n^3 + 4$  ,  $16n^3 - 9n + 3n^2$

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## Answer key

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$-18s^6 + 2s^4 - s^3 + 2s^2 - s + 1$

$h^5 + 7h^3 - h^2$

3)  $3t^3 - 7t^4 - 39t + 2t^5$  ,

$t^2 + 14 - 3y$

$4t^5 + 10t^4 - 34t^3 - 31t$

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5)  $-11v - v^6 - v^4$  ,  $-27v$

$-2c$  ,  $2c + 2c^4 + c^6 + c^2 + 3$

$-28v^6 - 4v^4 - v^3 - 13v$

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7)  $12 - 7q^2 + 28q$  ,  $7q^2 + 12 - 28q$

8)  $-n + 22n^2 + 3n^3 + 4$  ,  $16n^3 - 9n + 3n^2$

$24$

$19n^3 + 25n^2 - 10n + 4$