

Name : _____

Adding Polynomials

Single-variable: L1S4

Add the polynomials.

1) $5x^4 - x + 18x^3 + 10x^2$, $-5x^4 + x - 10x^2$

2) $36k + 4k^3 + 2k^4 - 3k^2 + 1$, $-13k^4 - 3k^2 - 1$

3) $2b^2 + 4b^4 - b + 5 + b^3$

, $13r + r^3 + 7 + 16r^2$

5) $-w^3 - 17w^4 + 2w^2$, v

$0 + 24u^2 - u$

7) $-y^5 - 3y^6 - 6y$, $-11y^2 - 2y^4 - 3y^6 - 8 - 6y$

8) $-7g^5 - 4g^3 + g + g^2 - g^4$, $g^2 + 5g^5 - 8g - 2g^3$

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Name : _____

Answer key

Adding Polynomials

Single-variable: L1S4

Add the polynomials.

1) $5x^4 - x + 18x^3 + 10x^2$, $-5x^4 + x - 10x^2$

2) $36k + 4k^3 + 2k^4 - 3k^2 + 1$, $-13k^4 - 3k^2 - 1$

$18x^3$

$-11k^4 + 4k^3 - 6k^2 + 36k$

3) $2b^2 + 4b^4 - b + 5 + b^3$

, $13r + r^3 + 7 + 16r^2$

$4b^2 + 10$

$+ 11$

5) $-w^3 - 17w^4 + 2w^2$, v

$0 + 24u^2 - u$

$15w^6 - 4w^5 - 14w^4 +$

7) $-y^5 - 3y^6 - 6y$, $-11y^2 - 2y^4 - 3y^6 - 8 - 6y$

8) $-7g^5 - 4g^3 + g + g^2 - g^4$, $g^2 + 5g^5 - 8g - 2g^3$

$-6y^6 - y^5 - 2y^4 - 11y^2 - 12y - 8$

$-2g^5 - g^4 - 6g^3 + 2g^2 - 7g$

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