

Name : _____

Adding Polynomials

Multi-variable: L1S2

Add the polynomials.

1) $19st + 18s - 3t + 9r$, $-5st - 9r + 7t + stu$

2) $9a^5 + 2b^2cd + 8b^4 + 7b^6c$, $14c^2 + 9b^2cd + 3b$

3) $30 - 2k - k^2 - 6gh^5 + 2$

$-12x^2y^2 - 2y^3 - 5 + 14x^5 - y^6$

5) $11pq^5r^2 - p^3 + 7pq + 3$

3 , $-10c^2d^3 - 2c^2d - d^3$

7) $-7m^4n^2 - 4n - mn^2$, $4n + 2m^4n^2 + mn^2 + 27$

8) $uv + w^5 - u^3 - vw^4 + v$, $v - u^3 - vw^4 - w^5 - uv$

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Name : _____

Answer key

Adding Polynomials

Multi-variable: L152

Add the polynomials.

1) $19st + 18s - 3t + 9r$, $-5st - 9r + 7t + stu$

$stu + 14st + 18s + 4t$

2) $9a^5 + 2b^2cd + 8b^4 + 7b^6c$, $14c^2 + 9b^2cd + 3b$

$7b^6c + 9a^5 + 8b^4 + 11b^2cd + 14c^2 + 3b$

3) $30 - 2k - k^2 - 6gh^5 + 2$

30

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$-12x^2y^2 - 2y^3 - 5 + 14x^5 - y^6$

$r^3 - 5$

5) $11pq^5r^2 - p^3 + 7pq + 3$

$12pq^5r^2 - p^3 + 11pq + 3$

$r^3 - 5, -10c^2d^3 - 2c^2d - d^3$

7) $-7m^4n^2 - 4n - mn^2$, $4n + 2m^4n^2 + mn^2 + 27$

$-5m^4n^2 + 27$

8) $uv + w^5 - u^3 - vw^4 + v$, $v - u^3 - vw^4 - w^5 - uv$

$-2vw^4 - 2u^3 + 2v$