

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

## Adding Polynomials

Multi-variable: L155

Add the polynomials.

1)  $-yz^6 + 5xy + 16$  ,  $35z^3 + x^2y^2 - 5xy + 15x^4y - 16$     2)  $3g^2h - 4gh^3 - 22$  ,  $-3g^2h - 4k + 22 + 4gh^3$

3)  $-5p^3 - 4 - 9q^2 - 8p^5 - 1$

$vw + 7u$  ,  $-v + 5u + 20$

5)  $6r^3t - 8rst^2 + 12t^6 - 10$

$2v^5$  ,  $-7 - 14u^5v^4 - 22u$

7)  $34n^2 + 20m^2 - 19m$  ,  $38m + 10n^2 + 17m^2$

8)  $2cd + 5a^6 - 8d + 4a$  ,  $3a + 2b^4 + 8d - cd + 7a^6$

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## Answer key

### Adding Polynomials

Multi-variable: L155

Add the polynomials.

1)  $-yz^6 + 5xy + 16$  ,  $35z^3 + x^2y^2 - 5xy + 15x^4y - 16$     2)  $3g^2h - 4gh^3 - 22$  ,  $-3g^2h - 4k + 22 + 4gh^3$

$-yz^6 + 15x^4y + x^2y^2 + 35z^3$

$-4k$

3)  $-5p^3 - 4 - 9q^2 - 8p^5 - 1$

# PREVIEW

$7w + 7u$  ,  $-v + 5u + 20$

$-12p^5 - p^4 - 8p^3 - 39$

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$2u - 6v + 21$

5)  $6r^3t - 8rst^2 + 12t^6 - 10$

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$2v^5$  ,  $-7 - 14u^5v^4 - 22u$

$33r^3t + 3rst^2 - 15$

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7)  $34n^2 + 20m^2 - 19m$  ,  $38m + 10n^2 + 17m^2$

8)  $2cd + 5a^6 - 8d + 4a$  ,  $3a + 2b^4 + 8d - cd + 7a^6$

$37m^2 + 44n^2 + 19m$

$12a^6 + 2b^4 + cd + 7a$