



## Subtracting polynomials

Name \_\_\_\_\_

Score \_\_\_\_\_

SP:14

Subtract the polynomials.

1)  $(5xyz + 3) - (6xyz)$

2)  $(pq + 2p - 5q + 7) - (5p - pq + 3q + 1)$

3)  $(10k^5) - (2k - 1 + 10k^5)$

4)  $(9 + 3h - 2h^4 - h^2 + 4h^3) - (h - 2 + 6h^2)$

5)  $(s^2 - 4 - 9s + s^4) - (-4 + 5s^3 - 9s + s^2 - s^4)$

6)  $(3u^3 + 3v^4) - (2uv - 5u^3 + v^4)$

7)  $(6n^2 - mn + 6m^2 - m^2n^2) - (3m^2 + 2n^2 + 4mn)$

8)  $(8 - 5d + 6d^3 - 9d^2) - (4d + 11)$



# Subtracting polynomials

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

SP:14

Subtract the polynomials.

1)  $(5xyz + 3) - (6xyz)$

**$-xyz + 3$**

3)  $(10k^5) - (2k - 1 + 10k^5)$

**$-2k + 1$**

5)  $(s^2 - 4 - 9s + s^4) - (-4 + 5s^3 - 9s + s^2 - s^4)$

**$-5s^3$**

7)  $(6n^2 - mn + 6m^2 - m^2n^2) - (3m^2 + 2n^2 + 4mn)$

**$-m^2n^2 + 3m^2 + 4n^2 - 5mn$**

2)  $(pq + 2p - 5q + 7) - (5p - pq + 3q + 1)$

**$-3p - 8q + 6$**

4)  $(9 + 3h - 2h^4 - h^2 + 4h^3) - (h - 2 + 6h^2)$

**$-2h^4 + 4h^3 - 7h^2 + 2h + 11$**

6)  $(3u^3 + 3v^4) - (2uv - 5u^3 + v^4)$

**$2v^4 + 8u^3 - 2uv$**

8)  $(8 - 5d + 6d^3 - 9d^2) - (4d + 11)$

**$6d^3 - 9d^2 - 9d - 3$**