



## Subtracting polynomials

Name \_\_\_\_\_

Score \_\_\_\_\_

SP:15

Subtract the polynomials.

1)  $(3q - p - 1) - (6p + 5)$

2)  $(3v + u - 2w - 4uv + vw) - (u - 8v + 4w)$

3)  $(2b^4 - b^2 + 2 - b^3 - 6b) - (2b^4 + 8b^3 - 6 + 7b)$

4)  $(a^3 - 5a) - (9 - a^2 + 3a - 7a^3)$

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

6)  $(3x^2 - xy + y^2) - (-4xy)$

7)  $(5z^3 - 5z + 7z^2 + 9) - (9 - 5z + 2z^2)$

8)  $(3g^4 + 2g^5 - 5h^4 - h^5) - (9h^4 - 2g^4 - g^5 - 4h^5)$



# Subtracting polynomials

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

SP:15

Subtract the polynomials.

1)  $(3q - p - 1) - (6p + 5)$

**$-7p + 3q - 6$**

3)  $(2b^4 - b^2 + 2 - b^3 - 6b) - (2b^4 + 8b^3 - 6 + 7b)$

**$-9b^3 - b^2 - 13b + 8$**

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

**$5k^2$**

7)  $(5z^3 - 5z + 7z^2 + 9) - (9 - 5z + 2z^2)$

**$5z^3 + 5z^2$**

2)  $(3v + u - 2w - 4uv + vw) - (u - 8v + 4w)$

**$-4uv + vw + 11v - 6w$**

4)  $(a^3 - 5a) - (9 - a^2 + 3a - 7a^3)$

**$8a^3 + a^2 - 8a - 9$**

6)  $(3x^2 - xy + y^2) - (-4xy)$

**$3x^2 + 3xy + y^2$**

8)  $(3g^4 + 2g^5 - 5h^4 - h^5) - (9h^4 - 2g^4 - g^5 - 4h^5)$

**$3g^5 + 3h^5 + 5g^4 - 14h^4$**