



## Subtracting Binomials

Name \_\_\_\_\_

Score \_\_\_\_\_

SP:12

Subtract the binomials.

1)  $(-3u - 4u^2 - u^3) - (5u^2 - 3u - u^3)$

\_\_\_\_\_

2)  $(2 + 5k - 6k^2) - (8k - 10 + k^2)$

\_\_\_\_\_

3)  $(6a + 2b - 9c) - (8c + 4a - 6b)$

\_\_\_\_\_

4)  $(5g + gh + h) - (2h^2 - 6gh + g)$

\_\_\_\_\_

5)  $(s + 2s^2 - 4) - (8 + 5s^2 - 3s)$

\_\_\_\_\_

6)  $(3m^3 - m + 2m^2) - (5m^3 + m - 6m^2)$

\_\_\_\_\_

7)  $(-5xy - 8yz + xz) - (9xz - 6xy - 2yz)$

\_\_\_\_\_

8)  $(-p^3 + 3q^2 - 6pq) - (7pq + q^2 - p^3)$

\_\_\_\_\_



# Subtracting Binomials

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## Answer key

SP:12

Subtract the binomials.

1)  $(-3u - 4u^2 - u^3) - (5u^2 - 3u - u^3)$

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**$u^2$**

2)  $(2 + 5k - 6k^2) - (8k - 10 + k^2)$

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**$-7k^2 - 3k + 12$**

3)  $(6a + 2b - 9c) - (8c + 4a - 6b)$

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**$2a + 8b - c$**

4)  $(5g + gh + h) - (2h^2 - 6gh + g)$

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**$-2h^2 + 7gh + 4g + h$**

5)  $(s + 2s^2 - 4) - (8 + 5s^2 - 3s)$

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**$-3s^2 + 4s - 12$**

6)  $(3m^3 - m + 2m^2) - (5m^3 + m - 6m^2)$

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**$-2m^3 + 8m^2 - 2m$**

7)  $(-5xy - 8yz + xz) - (9xz - 6xy - 2yz)$

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**$xy - 6yz - 8xz$**

8)  $(-p^3 + 3q^2 - 6pq) - (7pq + q^2 - p^3)$

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**$2q^2 - 13pq$**