

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

## Subtracting Binomials

Single-variable: L1S1

Arrange and subtract the binomials.

1)  $(12 + x) - (2x + 14)$

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

3)  $(-7p^2 - 5p^5) - (-8p^2 + p^5)$

4)  $(-6m^3 - m^6) - (11m^6 + m^3)$

5)  $(s^4 + 16s) - (15s - 4s^4)$

6)  $(-9a - a^5) - (6a^3 - a^2)$

7)  $(-5g^2 + 2g^6) - (-10 + g^2)$

8)  $(13y^4 + 7y^3) - (-y^4 + 7y^3)$

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## Answer key

### Subtracting Binomials

Single-variable: L1S1

Arrange and subtract the binomials.

1)  $(12 + x) - (2x + 14)$

$$\begin{array}{r} x + 12 \\ (-) \quad 2x + 14 \\ \hline -x - 2 \end{array}$$

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

$$\begin{array}{r} -n^2 + 3n \\ (-) \quad 3n + 5 \\ \hline -n^2 - 5 \end{array}$$

3)  $(-7p^2 - 5p^5) - (-8p^2 + p^5)$

$$\begin{array}{r} -5p^5 - 7p^2 \\ (-) \quad p^5 - 8p^2 \\ \hline -6p^5 + p^2 \end{array}$$

4)  $(-6m^3 - m^6) - (11m^6 + m^3)$

$$\begin{array}{r} -m^6 - 6m^3 \\ (-) \quad 11m^6 + m^3 \\ \hline -12m^6 - 7m^3 \end{array}$$

5)  $(s^4 + 16s) - (15s - 4s^4)$

$$\begin{array}{r} s^4 + 16s \\ (-) \quad -4s^4 + 15s \\ \hline 5s^4 + s \end{array}$$

6)  $(-9a - a^5) - (6a^3 - a^2)$

$$\begin{array}{r} -a^5 - 9a \\ (-) \quad 6a^3 - a^2 \\ \hline -a^5 - 6a^3 + a^2 - 9a \end{array}$$

7)  $(-5g^2 + 2g^6) - (-10 + g^2)$

$$\begin{array}{r} 2g^6 - 5g^2 \\ (-) \quad g^2 - 10 \\ \hline 2g^6 - 6g^2 + 10 \end{array}$$

8)  $(13y^4 + 7y^3) - (-y^4 + 7y^3)$

$$\begin{array}{r} 13y^4 + 7y^3 \\ (-) \quad -y^4 + 7y^3 \\ \hline 14y^4 \end{array}$$