

Name : _____

Subtracting Binomials

Multi-variable: L1S1

Arrange and subtract the binomials.

1) $(-d^4 + 2c^3) - (5c^3 + 9d^4)$

2) $(-3x - 8uvw) - (-uvw + 6x)$

3) $(4 + 8y^5) - (6x^2 - 7)$

4) $(g^3 + 13h) - (-10gh - 19)$

5) $(15 - m^6n) - (-3m^6n - 14)$

6) $(6ab^2 - a^4) - (3ab^2 + 12a^4)$

7) $(-9s^3t^5 + u^4v) - (-9s^3t^5 - u^4v)$

8) $(-5 + 8pq^2r) - (17 - pq^2r)$

Name : _____

Answer key

Subtracting Binomials

Multi-variable: L1S1

Arrange and subtract the binomials.

1) $(-d^4 + 2c^3) - (5c^3 + 9d^4)$

$$\begin{array}{r} -d^4 + 2c^3 \\ (-) \quad 9d^4 + 5c^3 \\ \hline -10d^4 - 3c^3 \end{array}$$

2) $(-3x - 8uvw) - (-uvw + 6x)$

$$\begin{array}{r} -8uvw - 3x \\ (-) \quad -uvw + 6x \\ \hline -7uvw - 9x \end{array}$$

3) $(4 + 8y^5) - (6x^2 - 7)$

$$\begin{array}{r} 8y^5 \quad \quad + 4 \\ (-) \quad \quad 6x^2 - 7 \\ \hline 8y^5 - 6x^2 + 11 \end{array}$$

4) $(g^3 + 13h) - (-10gh - 19)$

$$\begin{array}{r} g^3 \quad \quad \quad + 13h \\ (-) \quad \quad - 10gh \quad \quad - 19 \\ \hline g^3 + 10gh + 13h + 19 \end{array}$$

5) $(15 - m^6n) - (-3m^6n - 14)$

$$\begin{array}{r} -m^6n + 15 \\ (-) \quad -3m^6n - 14 \\ \hline 2m^6n + 29 \end{array}$$

6) $(6ab^2 - a^4) - (3ab^2 + 12a^4)$

$$\begin{array}{r} -a^4 + 6ab^2 \\ (-) \quad 12a^4 + 3ab^2 \\ \hline -13a^4 + 3ab^2 \end{array}$$

7) $(-9s^3t^5 + u^4v) - (-9s^3t^5 - u^4v)$

$$\begin{array}{r} -9s^3t^5 + u^4v \\ (-) \quad -9s^3t^5 - u^4v \\ \hline 2u^4v \end{array}$$

8) $(-5 + 8pq^2r) - (17 - pq^2r)$

$$\begin{array}{r} 8pq^2r - 5 \\ (-) \quad -pq^2r + 17 \\ \hline 9pq^2r - 22 \end{array}$$