

Add & Subtract Polynomials

Simplify each expression.

$$(4q^4 - 9q^2 + 6) - (2q^4 - 5 - 8q) \quad (3g^2 - 6g^3) - (8g^3 + 9g^4 + 7g^2)$$

$$(6r^3 + 3r^4) + (8r^4 + 5r^3) \quad (5c^3 + 9) - (2c^3 - 7 + c^4)$$

$$(4k^4 + 2) + (3 - k^3 + 5k^4) \quad (8 - 4p^4) - (7p^5 + 2 - 5p^4)$$

$$(8h - 2h^4) - (6h + 3h^4 - 4) \quad (6n^4 + 7n^3) + (9n^3 - 8n + 4n^4)$$

Add & Subtract Polynomials

Simplify each expression.

$$\begin{aligned} & (4q^4 - 9q^2 + 6) - (2q^4 - 5 - 8q) \\ & = 2q^4 - 9q^2 + q + 11 \end{aligned}$$

$$\begin{aligned} & (6r^3 + 3r^4) + (8r^4 + 5r^3) \\ & = 11r^4 + 11r^3 \end{aligned}$$

$$\begin{aligned} & (4k^4 + 2) + (3 - k^3 + 5k^4) \\ & = 9k^4 - 7k^3 + 5 \end{aligned}$$

$$\begin{aligned} & (8h - 2h^4) - (6h + 3h^4 - 4) \\ & = -5h^4 + 2h + 4 \end{aligned}$$

$$\begin{aligned} & (3g^2 - 6g^3) - (8g^3 + 9g^4 + 7g^2) \\ & = -9g^4 - 14g^3 - 4g^2 \end{aligned}$$

$$\begin{aligned} & (5c^3 + 9) - (2c^3 - 7 + c^4) \\ & = -c^4 + 3c^3 + 16 \end{aligned}$$

$$\begin{aligned} & (8 - 4p^4) - (7p^5 + 2 - 5p^4) \\ & = -7p^5 + p^4 + 6 \end{aligned}$$

$$\begin{aligned} & (6n^4 + 7n^3) + (9n^3 - 8n + 4n^4) \\ & = 10n^4 + 16n^3 - 8n \end{aligned}$$