

## Multiplicar Tres Polinomios (B)

Simplifique cada expresión.

1.  $(-6v^2 - 6v)(6v^5 - 2v^4 + 9v^3)(-2v^5 + 6v^4 - 9v^3)$

2.  $(3s^2 + 7s)(-9s^5 + 7s^4 - 7s^3)(8s^3 - 4s^2 + 9s)$

3.  $(5w^5 - 7w^4)(w^4 + 3w^3 + 8w^2)(-2w^5 - w^4 - 7w^3)$

4.  $(-5c^4 - 2c^3)(-5c^4 + 6c^3 - 3c^2)(5c^3 + 2c^2 - 5c)$

5.  $(-9q^3 + 5q^2)(-3q^5 - 3q^4 - 3q^3)(8q^3 - q^2 - 6q)$

## Multiplicar Tres Polinomios (B) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (-6v^2 - 6v)(6v^5 - 2v^4 + 9v^3)(-2v^5 + 6v^4 - 9v^3) \\ & = 72v^{12} - 168v^{11} + 264v^{10} + 72v^9 + 54v^8 + 486v^7 \end{aligned}$$

$$\begin{aligned} 2. & (3s^2 + 7s)(-9s^5 + 7s^4 - 7s^3)(8s^3 - 4s^2 + 9s) \\ & = -216s^{10} - 228s^9 + 149s^8 - 882s^7 + 448s^6 - 441s^5 \end{aligned}$$

$$\begin{aligned} 3. & (5w^5 - 7w^4)(w^4 + 3w^3 + 8w^2)(-2w^5 - w^4 - 7w^3) \\ & = -10w^{14} - 21w^{13} - 81w^{12} + 37w^{11} - 77w^{10} + 392w^9 \end{aligned}$$

$$\begin{aligned} 4. & (-5c^4 - 2c^3)(-5c^4 + 6c^3 - 3c^2)(5c^3 + 2c^2 - 5c) \\ & = 125c^{11} - 50c^{10} - 150c^9 + 136c^8 - 3c^7 - 30c^6 \end{aligned}$$

$$\begin{aligned} 5. & (-9q^3 + 5q^2)(-3q^5 - 3q^4 - 3q^3)(8q^3 - q^2 - 6q) \\ & = 216q^{11} + 69q^{10} - 78q^9 - 204q^8 - 57q^7 + 90q^6 \end{aligned}$$