

## Multiplicar Tres Polinomios (G)

Simplifique cada expresión.

1.  $(-4c^4 - c^3 - 8c^2)(9c^4 - 6c^3 + c^2)(-2c^4 + 7c^3 + 5c^2)$

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

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

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

5.  $(-7c^5 - 6c^4 + 3c^3)(-c^4 + 4c^3 + 9c^2)(2c^4 - 6c^3 + 3c^2)$

## Multiplicar Tres Polinomios (G) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (-4c^4 - c^3 - 8c^2)(9c^4 - 6c^3 + c^2)(-2c^4 + 7c^3 + 5c^2) \\ & = 72c^{12} - 282c^{11} + 65c^{10} - 509c^9 - 5c^8 + 179c^7 - 40c^6 \end{aligned}$$

$$\begin{aligned} 2. & (2c^5 + 6c^4 - c^3)(c^4 + 5c^3 - 4c^2)(-5c^4 + 2c^3 + 5c^2) \\ & = -10c^{13} - 76c^{12} - 63c^{11} + 267c^{10} + 27c^9 - 137c^8 + 20c^7 \end{aligned}$$

$$\begin{aligned} 3. & (9y^2 + 9y - 7)(-y^3 + 2y^2 + 2y)(-5y^4 - 9y^3 + y^2) \\ & = 45y^9 + 36y^8 - 305y^7 - 398y^6 + 77y^5 + 130y^4 - 14y^3 \end{aligned}$$

$$\begin{aligned} 4. & (8q^5 - 6q^4 + 6q^3)(-4q^3 + 4q^2 - 5q)(9q^3 + 5q^2 + 5q) \\ & = -288q^{11} + 344q^{10} - 672q^9 + 326q^8 - 440q^7 + 120q^6 - 150q^5 \end{aligned}$$

$$\begin{aligned} 5. & (-7c^5 - 6c^4 + 3c^3)(-c^4 + 4c^3 + 9c^2)(2c^4 - 6c^3 + 3c^2) \\ & = 14c^{13} - 86c^{12} - 27c^{11} + 390c^{10} + 36c^9 - 288c^8 + 81c^7 \end{aligned}$$