

Multiplicar Tres Polinomios (B)

Simplifique cada expresión.

1. $(-6v^2 - 4v - 7)(-7v^3 + v^2 + 7v)(8v^3 + 3v^2 - 2v)$

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

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

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

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

Multiplicar Tres Polinomios (B) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (-6v^2 - 4v - 7)(-7v^3 + v^2 + 7v)(8v^3 + 3v^2 - 2v) \\ & = 336v^8 + 302v^7 + 6v^6 - 315v^5 - 503v^4 - 77v^3 + 98v^2 \end{aligned}$$

$$\begin{aligned} 2. & (-3a^5 - 2a^4 + 4a^3)(-a^5 + 8a^4 - a^3)(5a^2 + 7a + 3) \\ & = 15a^{12} - 89a^{11} - 230a^{10} - 15a^9 + 167a^8 + 74a^7 - 12a^6 \end{aligned}$$

$$\begin{aligned} 3. & (-7m^2 + 7m - 9)(8m^3 - m^2 + 9m)(6m^5 - 5m^4 - 4m^3) \\ & = -336m^{10} + 658m^9 - 943m^8 + 890m^7 - 278m^6 + 117m^5 + 324m^4 \end{aligned}$$

$$\begin{aligned} 4. & (6w^2 + 4w + 2)(8w^4 - 5w^3 + 9w^2)(-6w^2 - 5w - 1) \\ & = -288w^8 - 252w^7 - 358w^6 - 408w^5 - 288w^4 - 116w^3 - 18w^2 \end{aligned}$$

$$\begin{aligned} 5. & (-4h^5 + 9h^4 - h^3)(h^5 - 6h^4 - 5h^3)(2h^4 - 3h^3 - 2h^2) \\ & = -8h^{14} + 78h^{13} - 161h^{12} - 39h^{11} + 197h^{10} + 63h^9 - 10h^8 \end{aligned}$$