

Multiplicar Dos Polinomios (I)

Simplifique cada expresión.

1. $(7b^5 - 3b^4 + 2b^3)(7b^5 + b^4 + 3b^3)$

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

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

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

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

Multiplicar Dos Polinomios (I) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (7b^5 - 3b^4 + 2b^3)(7b^5 + b^4 + 3b^3) \\ & = 49b^{10} - 14b^9 + 32b^8 - 7b^7 + 6b^6 \end{aligned}$$

$$\begin{aligned} 2. & (5x^4 + 3x^3 - 6x^2)(-2x^4 + 7x^3 + 6x^2) \\ & = -10x^8 + 29x^7 + 63x^6 - 24x^5 - 36x^4 \end{aligned}$$

$$\begin{aligned} 3. & (-8c^3 - 9c^2 - 2c)(8c^4 - c^3 + 5c^2) \\ & = -64c^7 - 64c^6 - 47c^5 - 43c^4 - 10c^3 \end{aligned}$$

$$\begin{aligned} 4. & (-4c^2 + 4c + 9)(-2c^3 + c^2 + c) \\ & = 8c^5 - 12c^4 - 18c^3 + 13c^2 + 9c \end{aligned}$$

$$\begin{aligned} 5. & (-8s^5 + 6s^4 + 4s^3)(-5s^2 + 3s - 3) \\ & = 40s^7 - 54s^6 + 22s^5 - 6s^4 - 12s^3 \end{aligned}$$