

Multiplicar Dos Polinomios (A)

Simplifique cada expresión.

1. $4y^5(7y^5 + 8y^4 - 6y^3)$

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

3. $-2p^2(3p^2 - 6p - 4)$

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

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

Multiplicar Dos Polinomios (A) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & 4y^5(7y^5 + 8y^4 - 6y^3) \\ & = 28y^{10} + 32y^9 - 24y^8 \end{aligned}$$

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

$$\begin{aligned} 3. & -2p^2(3p^2 - 6p - 4) \\ & = -6p^4 + 12p^3 + 8p^2 \end{aligned}$$

$$\begin{aligned} 4. & -9f^4(-2f^4 + 6f^3 + 7f^2) \\ & = 18f^8 - 54f^7 - 63f^6 \end{aligned}$$

$$\begin{aligned} 5. & 5a(4a^4 + 4a^3 - 3a^2) \\ & = 20a^5 + 20a^4 - 15a^3 \end{aligned}$$

Multiplicar Dos Polinomios (B)

Simplifique cada expresión.

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

2. $4k^5(3k^4 - 5k^3 - 2k^2)$

3. $7w^3(7w^4 - w^3 - 7w^2)$

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

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

Multiplicar Dos Polinomios (B) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & -2v^5(-4v^2 - 6v + 6) \\ & = 8v^7 + 12v^6 - 12v^5 \end{aligned}$$

$$\begin{aligned} 2. & 4k^5(3k^4 - 5k^3 - 2k^2) \\ & = 12k^9 - 20k^8 - 8k^7 \end{aligned}$$

$$\begin{aligned} 3. & 7w^3(7w^4 - w^3 - 7w^2) \\ & = 49w^7 - 7w^6 - 49w^5 \end{aligned}$$

$$\begin{aligned} 4. & 7v^3(3v^4 - 7v^3 + 6v^2) \\ & = 21v^7 - 49v^6 + 42v^5 \end{aligned}$$

$$\begin{aligned} 5. & -9h(-7h^4 - 9h^3 - h^2) \\ & = 63h^5 + 81h^4 + 9h^3 \end{aligned}$$

Multiplicar Dos Polinomios (C)

Simplifique cada expresión.

1. $-3w(3w^4 - 4w^3 - 4w^2)$

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

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

4. $2k(2k^4 - 3k^3 + k^2)$

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

Multiplicar Dos Polinomios (C) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & -3w(3w^4 - 4w^3 - 4w^2) \\ & = -9w^5 + 12w^4 + 12w^3 \end{aligned}$$

$$\begin{aligned} 2. & -9p(-9p^4 - 5p^3 + 2p^2) \\ & = 81p^5 + 45p^4 - 18p^3 \end{aligned}$$

$$\begin{aligned} 3. & k^3(7k^4 - 7k^3 + 6k^2) \\ & = 7k^7 - 7k^6 + 6k^5 \end{aligned}$$

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

$$\begin{aligned} 5. & 7c^5(9c^4 - 7c^3 + 9c^2) \\ & = 63c^9 - 49c^8 + 63c^7 \end{aligned}$$

Multiplicar Dos Polinomios (D)

Simplifique cada expresión.

1. $y^4(-5y^5 + 7y^4 - 8y^3)$

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

3. $8p^4(-7p^5 + 6p^4 - 8p^3)$

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

5. $7y^2(-y^3 - 7y^2 - 3y)$

Multiplicar Dos Polinomios (D) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & y^4(-5y^5 + 7y^4 - 8y^3) \\ & = -5y^9 + 7y^8 - 8y^7 \end{aligned}$$

$$\begin{aligned} 2. & -v(-9v^5 + 7v^4 - 3v^3) \\ & = 9v^6 - 7v^5 + 3v^4 \end{aligned}$$

$$\begin{aligned} 3. & 8p^4(-7p^5 + 6p^4 - 8p^3) \\ & = -56p^9 + 48p^8 - 64p^7 \end{aligned}$$

$$\begin{aligned} 4. & 2c^4(-c^4 + 2c^3 - 8c^2) \\ & = -2c^8 + 4c^7 - 16c^6 \end{aligned}$$

$$\begin{aligned} 5. & 7y^2(-y^3 - 7y^2 - 3y) \\ & = -7y^5 - 49y^4 - 21y^3 \end{aligned}$$

Multiplicar Dos Polinomios (E)

Simplifique cada expresión.

1. $2n^5(6n^2 - 3n - 9)$

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

3. $7n(7n^3 - 5n^2 + 2n)$

4. $-3n(6n^2 + 3n + 4)$

5. $-6f^2(-6f^5 - 3f^4 - 3f^3)$

Multiplicar Dos Polinomios (E) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & 2n^5(6n^2 - 3n - 9) \\ & = 12n^7 - 6n^6 - 18n^5 \end{aligned}$$

$$\begin{aligned} 2. & 7s^4(5s^3 + 5s^2 - 9s) \\ & = 35s^7 + 35s^6 - 63s^5 \end{aligned}$$

$$\begin{aligned} 3. & 7n(7n^3 - 5n^2 + 2n) \\ & = 49n^4 - 35n^3 + 14n^2 \end{aligned}$$

$$\begin{aligned} 4. & -3n(6n^2 + 3n + 4) \\ & = -18n^3 - 9n^2 - 12n \end{aligned}$$

$$\begin{aligned} 5. & -6f^2(-6f^5 - 3f^4 - 3f^3) \\ & = 36f^7 + 18f^6 + 18f^5 \end{aligned}$$

Multiplicar Dos Polinomios (F)

Simplifique cada expresión.

1. $-5v^5(5v^2 - 4v - 4)$

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

3. $-5b^2(3b^3 - 6b^2 - 9b)$

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

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

Multiplicar Dos Polinomios (F) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & -5v^5(5v^2 - 4v - 4) \\ & = -25v^7 + 20v^6 + 20v^5 \end{aligned}$$

$$\begin{aligned} 2. & -g(-6g^4 + 8g^3 - 7g^2) \\ & = 6g^5 - 8g^4 + 7g^3 \end{aligned}$$

$$\begin{aligned} 3. & -5b^2(3b^3 - 6b^2 - 9b) \\ & = -15b^5 + 30b^4 + 45b^3 \end{aligned}$$

$$\begin{aligned} 4. & -6p^2(8p^2 + 9p - 3) \\ & = -48p^4 - 54p^3 + 18p^2 \end{aligned}$$

$$\begin{aligned} 5. & -7r^4(7r^2 - 8r + 7) \\ & = -49r^6 + 56r^5 - 49r^4 \end{aligned}$$

Multiplicar Dos Polinomios (G)

Simplifique cada expresión.

1. $-5s^2(-9s^3 - 4s^2 - 7s)$

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

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

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

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

Multiplicar Dos Polinomios (G) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & -5s^2(-9s^3 - 4s^2 - 7s) \\ & = 45s^5 + 20s^4 + 35s^3 \end{aligned}$$

$$\begin{aligned} 2. & -6t^3(4t^3 + 9t^2 - 7t) \\ & = -24t^6 - 54t^5 + 42t^4 \end{aligned}$$

$$\begin{aligned} 3. & 8x^5(-9x^4 - 5x^3 + 6x^2) \\ & = -72x^9 - 40x^8 + 48x^7 \end{aligned}$$

$$\begin{aligned} 4. & 9g^4(-5g^2 + 8g + 8) \\ & = -45g^6 + 72g^5 + 72g^4 \end{aligned}$$

$$\begin{aligned} 5. & -6h^4(-9h^2 + 2h + 8) \\ & = 54h^6 - 12h^5 - 48h^4 \end{aligned}$$

Multiplicar Dos Polinomios (H)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Dos Polinomios (H) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & -5c^3(-6c^2 - 4c + 5) \\ & = 30c^5 + 20c^4 - 25c^3 \end{aligned}$$

$$\begin{aligned} 2. & -5q^3(-3q^5 - 6q^4 + 2q^3) \\ & = 15q^8 + 30q^7 - 10q^6 \end{aligned}$$

$$\begin{aligned} 3. & -4c^4(2c^3 + 7c^2 - 2c) \\ & = -8c^7 - 28c^6 + 8c^5 \end{aligned}$$

$$\begin{aligned} 4. & -8w(-3w^2 + w - 9) \\ & = 24w^3 - 8w^2 + 72w \end{aligned}$$

$$\begin{aligned} 5. & 7c^4(-6c^2 - c - 4) \\ & = -42c^6 - 7c^5 - 28c^4 \end{aligned}$$

Multiplicar Dos Polinomios (I)

Simplifique cada expresión.

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

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

3. $-8x^4(4x^5 - 4x^4 - 4x^3)$

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

5. $-4d^3(-7d^2 - 4d - 5)$

Multiplicar Dos Polinomios (I) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & -s^4(-4s^2 - 5s + 7) \\ & = 4s^6 + 5s^5 - 7s^4 \end{aligned}$$

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

$$\begin{aligned} 3. & -8x^4(4x^5 - 4x^4 - 4x^3) \\ & = -32x^9 + 32x^8 + 32x^7 \end{aligned}$$

$$\begin{aligned} 4. & -6d^2(-9d^3 - 5d^2 - 5d) \\ & = 54d^5 + 30d^4 + 30d^3 \end{aligned}$$

$$\begin{aligned} 5. & -4d^3(-7d^2 - 4d - 5) \\ & = 28d^5 + 16d^4 + 20d^3 \end{aligned}$$

Multiplicar Dos Polinomios (J)

Simplifique cada expresión.

1. $8a(4a^2 - 4a + 2)$

2. $-4k^2(6k^5 - 3k^4 - 4k^3)$

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

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

5. $-5v^2(3v^3 + 5v^2 - v)$

Multiplicar Dos Polinomios (J) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & 8a(4a^2 - 4a + 2) \\ & = 32a^3 - 32a^2 + 16a \end{aligned}$$

$$\begin{aligned} 2. & -4k^2(6k^5 - 3k^4 - 4k^3) \\ & = -24k^7 + 12k^6 + 16k^5 \end{aligned}$$

$$\begin{aligned} 3. & -8k^5(-8k^2 + 9k - 6) \\ & = 64k^7 - 72k^6 + 48k^5 \end{aligned}$$

$$\begin{aligned} 4. & -6h^5(9h^5 - 7h^4 + 7h^3) \\ & = -54h^{10} + 42h^9 - 42h^8 \end{aligned}$$

$$\begin{aligned} 5. & -5v^2(3v^3 + 5v^2 - v) \\ & = -15v^5 - 25v^4 + 5v^3 \end{aligned}$$