

Multiplication de Trois Trinômes (H)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

10. $(-5q^4 - 5q^3 - q^2)(-2q^4 - 5q^3 - 3q^2)(-4q^4 - 2q^3 + 9q^2)$

Multiplication de Trois Trinômes (H) Réponses

Simplifiez chaque expression.

- $(2z^3 - 4z^2 + 6z)(z^3 + 3z^2 + 6z)(-3z^2 - 6z + 1)$
 $= -6z^8 - 18z^7 - 28z^6 - 16z^5 - 66z^4 - 222z^3 + 36z^2$
- $(8g^5 + 5g^4 + 4g^3)(9g^3 - 9g^2 + 9g)(-7g^5 - 3g^4 - 9g^3)$
 $= -504g^{13} - 27g^{12} - 1008g^{11} - 9g^{10} - 846g^9 - 189g^8 - 324g^7$
- $(-6y^4 - 6y^3 + 5y^2)(5y^4 - 5y^3 - 7y^2)(6y^2 - 8y + 1)$
 $= -180y^{10} + 240y^9 + 552y^8 - 674y^7 - 249y^6 + 297y^5 - 35y^4$
- $(3x^2 + 5x + 5)(8x^3 - x^2 - 2x)(x^2 + 7x + 2)$
 $= 24x^7 + 205x^6 + 336x^5 + 262x^4 - 57x^3 - 100x^2 - 20x$
- $(8t^2 - 3t - 9)(-6t^4 + 8t^3 + t^2)(t^3 + 4t^2 - 9t)$
 $= -48t^9 - 110t^8 + 798t^7 - 661t^6 - 651t^5 + 639t^4 + 81t^3$
- $(-7m^4 - 2m^3 - 7m^2)(7m^2 - 2m + 3)(-6m^3 + 7m^2 - 7m)$
 $= 294m^9 - 343m^8 + 739m^7 - 510m^6 + 644m^5 - 203m^4 + 147m^3$
- $(8s^4 + 9s^3 - 5s^2)(5s^4 + 7s^3 + 7s^2)(s^2 + 7s - 3)$
 $= 40s^{10} + 381s^9 + 681s^8 + 383s^7 - 121s^6 - 329s^5 + 105s^4$
- $(-4y^3 + 4y^2 + 4y)(-7y^4 + 5y^3 + 2y^2)(-3y^5 - 7y^4 - 4y^3)$
 $= -84y^{12} - 52y^{11} + 272y^{10} + 220y^9 - 156y^8 - 168y^7 - 32y^6$
- $(-h^3 + 7h^2 - 7h)(-8h^3 - 4h^2 - 2h)(-7h^4 + 7h^3 - 4h^2)$
 $= -56h^{10} + 420h^9 - 606h^8 + 320h^7 - 120h^6 + 42h^5 - 56h^4$
- $(-5q^4 - 5q^3 - q^2)(-2q^4 - 5q^3 - 3q^2)(-4q^4 - 2q^3 + 9q^2)$
 $= -40q^{12} - 160q^{11} - 148q^{10} + 151q^9 + 326q^8 + 174q^7 + 27q^6$