Multiplicar Tres Polinomios (I)

Simplifique cada expresión.

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

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

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

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

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

Simplifique cada expresión.

1. $(-8h^4 - h^3)(3h^5 - 4h^4 - 6h^3)(8h^4 - 4h^3 - 9h^2)$
   $= -192h^{13} + 328h^{12} + 516h^{11} - 421h^{10} - 492h^9 - 54h^8$

2. $(-9d^4 - d^3)(-7d^5 - 5d^4 - 7d^3)(-5d^5 - 6d^4 + d^3)$
   $= -315d^{14} - 638d^{13} - 589d^{12} - 391d^{11} + 26d^{10} + 7d^9$

3. $(9k^3 + 3k^2)(-7k^2 + 5k - 9)(-8k^3 - 4k^2 + 2k)$
   $= 504k^8 + 60k^7 + 306k^6 + 528k^5 - 24k^4 - 54k^3$

4. $(w^2 - 5w)(7w^2 - 3w - 6)(-8w^4 + 5w^3 + 3w^2)$
   $= -56w^8 + 339w^7 - 241w^6 - 309w^5 + 177w^4 + 90w^3$

5. $(6h^5 + 8h^4)(5h^4 - 2h^3 - 2h^2)(5h^3 + 6h^2 - 5h)$
   $= 150h^{12} + 320h^{11} - 122h^{10} - 388h^9 + 44h^8 + 80h^7$