Multiplicar Tres Polinomios (I)

Simplifique cada expresión.

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

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

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

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

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

Simplifique cada expresión.

1. $(7p^4 - 6p^3)(-3p^2 + 2p)(-2p^2 + 3p + 5)$
$= 42p^8 - 127p^7 + 15p^6 + 124p^5 - 60p^4$

2. $(9s^2 + 3s)(9s^2 + 2s)(-6s^3 + 4s^2 - 9s)$
$= -486s^7 + 54s^6 - 585s^5 - 381s^4 - 54s^3$

3. $(-5m^3 + 3m^2)(7m - 7)(-9m^5 - 2m^4 - 6m^3)$
$= 315m^9 - 434m^8 + 287m^7 - 294m^6 + 126m^5$

4. $(7t^2 - 8t)(9t + 8)(-6t^3 + 8t^2 - 7t)$
$= -378t^6 + 600t^5 - 185t^4 - 400t^3 + 448t^2$

5. $(-5b^3 - 7b^2)(4b^4 + 8b^3)(-8b^4 + 9b^3 + 9b^2)$
$= 160b^{11} + 364b^{10} - 344b^9 - 1116b^8 - 504b^7$