

Multiplying a Binomial by Two Trinomials (H)

Simplify each expression.

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

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

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

4. $(-2r^4 + 2r^3)(8r^5 + 8r^4 + 7r^3)(9r^3 + 8r^2 - 6r)$

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