

Multiplying a Binomial by Two Trinomials (E)

Simplify each expression.

1. $(4t^3 + 4t^2)(6t^2 - 2t - 9)(9t^2 + 6t + 3)$

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

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

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

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