

Multiplying a Binomial by Two Trinomials (C)

Simplify each expression.

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

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

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

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

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