

Multiplying a Binomial by Two Trinomials (G)

Simplify each expression.

1. $(-7n^4 - 6n^3)(6n^3 - n^2 + 8n)(-9n^3 - 4n^2 - 6n)$

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

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

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

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