

Multiplying Three Trinomials (J)

Simplify each expression.

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

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

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

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

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