

## Multiplying Three Trinomials (C)

Simplify each expression.

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

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

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

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

5.  $(-5w^2 - 6w - 1)(-6w^2 - 8w - 4)(-7w^2 - 8w - 1)$