

## Multiplying a Binomial by Two Trinomials (F)

Simplify each expression.

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

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

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

4.  $(5r^3 + 5r^2)(9r^5 + 4r^4 - 8r^3)(2r^2 + 5r + 1)$

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