

## Multiplying Two Trinomials (H)

Simplify each expression.

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

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

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

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

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

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

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

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

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

10.  $(4p^4 - 7p^3 - 2p^2)(-6p^5 - 6p^4 - p^3)$