

## Multiplying Two Trinomials (J)

Simplify each expression.

1.  $(4m^3 - m^2 + m)(-m^3 + 2m^2 - 3m)$

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

3.  $(7y^4 - 9y^3 - 9y^2)(-4y^3 - 9y^2 - 4y)$

4.  $(-3a^5 + 4a^4 + 9a^3)(7a^5 - 5a^4 - a^3)$

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

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

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

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

9.  $(9y^2 + 7y - 4)(2y^4 - 9y^3 + 7y^2)$

10.  $(-4f^2 + 2f + 9)(-8f^4 - 2f^3 - 9f^2)$