

Multiplying Three Trinomials (I)

Simplify each expression.

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

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

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

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

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