Multiplying Two Trinomials (A)

Simplify each expression.

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

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

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

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

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

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

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

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

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

10. $(-5p^5 + 8p^4 - 4p^3)(5p^5 - 7p^4 + 2p^3)$