

Multiplying a Binomial by a Trinomial (I)

Simplify each expression.

1. $(-7b^2 + 8b)(-b^4 - 4b^3 - b^2)$

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

3. $(-8m + 7)(-2m^2 + 8m + 1)$

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

5. $(-5r^3 + 5r^2)(5r^3 + 3r^2 + 5r)$

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

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

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

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

10. $(9t^4 - 6t^3)(5t^4 - 9t^3 + 4t^2)$