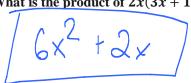
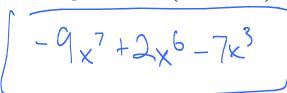
Name	Class	Date

What is the product of 2x(3x + 1)?



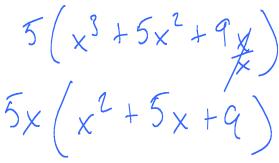
Example 1: Multiplying a Monomial and a Trinomial.

What is a simpler form of $-x^3(9x^4-2x^3+7)$?



Example 2: Finding the Greatest Common Factor (GCF)

What is the GCF of the terms of $5x^3 + 25x^2 + 45x$?



Example 3: Factoring Out a Monomial

What is the factored form of $4x^2 - 24x^3 + 8x$?

$$4\left(\frac{x^{2}}{x^{2}} - 6\frac{x^{3}}{x^{3}} + 2\frac{x}{x}\right)$$

$$4x\left(x - 6x^{2} + 2\right) = 4x\left(-6x^{2} + x + 2\right)$$