

***Unit 6 Multiplying & Dividing Polynomials******6.2 Multiplying Polynomials by Monomials***

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Recall distribution from unit 5:

$$3(3x - 2)$$

$$-2(4x^2 - 3x + 1)$$

We can extend distribution to monomials with variables:

Ex. Multiply:

a)  $3x(2x + 4)$

b)  $4x(2x - 1)$

c)  $-5x^2(3x^2 - 2x - 4)$

d)  $2ab^3(a^3 - 3a^2b + 4ab^2 - 1)$