Multiplying Monomials with Polynomials

Name _____

Date _____ Period _____

Distributive Property

$a(b + c) = a \cdot b + a \cdot c$

$3(x + 4)$ $5(a^2 + 2a - 7)$

It is important to make sure the outside term get distributed to every term inside the parenthesis.

Distributive Property

$a(b + c) = a \cdot b + a \cdot c$

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

Exponential Rule: When multiplying like bases, add the exponments

Distributive Property

$$a(b + c) = a \cdot b + a \cdot c$$

$2x^2(x^2 + 4x)$ $3m(3m^4 - 2m^2)$ $-4a(2a^2 - 3a)$

Exponential Rule: When multiplying like bases, add the exponments

Distributive Property

$$a(b + c) = a \cdot b + a \cdot c$$

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

Exponential Rule: When multiplying like bases, add the exponments

Distributive Property

$$a(b + c) = a \cdot b + a \cdot c$$

$3x^2(2x^2 - 2x + 5)$ $2w^2(4w^3 + w^2 - 6w)$ $-a^3(a^2 - 4a - 2)$

Exponential Rule: When multiplying like bases, add the exponments

Distributive Property

$$a(b + c) = a \cdot b + a \cdot c$$

It is important to make sure the outside term get distributed to every term inside the parenthesis.