## 7.2 Multiplying Polynomials by Monomials

October 20, 2015 10:01 AM

# to multiply a polynomial by a monomial algebraically, you can EXPAND the expression using the DISTRIBUTIVE PROPERTY

is multiplying each term of the polynomial by the monomial

"expand" or "dithbutive property"

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

Ex #2

a) 
$$-y(y^2-7)$$

$$= -y^3 + 7y$$

$$= \frac{2a^2 + 4a}{2}$$

$$= \frac{2a^2 + 4a}{2}$$

$$= \frac{2a^2 + 2a}{2}$$

$$= \frac{2a^2 + 2a}{2}$$

Use a Model

