Honors Algebra II

Notes Section 2.3

Add, Subtract, and Multiply Polynomials

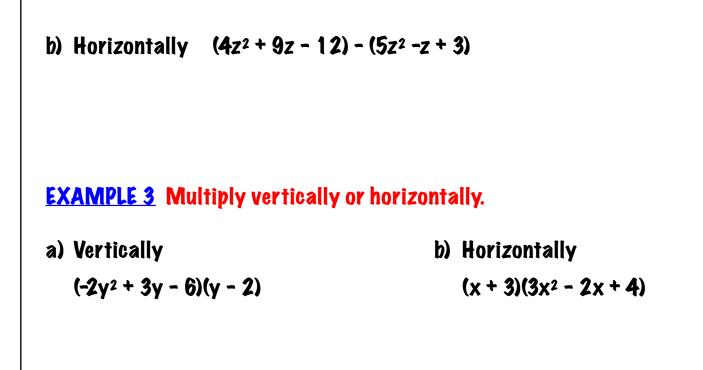
EXAMPLE 1 Add vertically or horizontally.

a) Vertically $(2x^3 - 5x^2 + 3x - 9)$ and $(x^3 + 6x^2 + 11)$

b) Horizontally $(3y^3 - 2y^2 - 7y)$ and $(-4y^2 + 2y - 5)$

EXAMPLE 1 Subtract vertically or horizontally.

a) Vertically $(8x^3 - x^2 - 5x + 1) - (3x^3 + 2x^2 - x + 7)$



EXAMPLE 4 Multiply.

a) (x - 5)(x + 1)(x + 3)

Special Produc	ets
l. (a + b)(a - b)=
ll. (a + b)² =	
(a - b)² =	
. (a + b)³ =	
(a - b)³ =	
EXAMPLE 5 Use Special Products to Multiply.	
EXAMPLE 5 a) (3t + 4)(3t	
a) (3t + 4)(3t b) (8x -3) ²	
a) (3t + 4)(3t b) (8x -3) ²	- 4)

