7-2 Adding and Subtracting Polynomials

1. Write each polynomial in <u>parentheses</u>.

DIFFERENCE = SUBTRACT

EXAMPLES:

$$x^2 + 5x - 4$$

$$2x^2 - 11x + 9$$

1. Find the sum of the polynomials above.

$$\frac{1(x^{2}+5x-4)+1(2x^{2}-11x+4)}{3x^{2}-6x+5}$$

2. Find the difference of the polynomials above.

$$1(x^{2}+5x-4)-1(2x^{2}-11x+9)$$

 $x^{2}+5x-4-2x^{2}+11x-9$
 $-x^{2}+16x-13$