Warm Up 8.1,8.2 B: Add/Multiplying Monomials with Polynomials

Find each sum or difference.

a. $(9x+3y)+(7x-4y)$

$16x-y$

b. $(8x^2+13x)-(6x^2+2x)$

c. $(7x+2y-1)+(4x-6y+8)$

d. $(6x^2+12x-3)-(9x^2+2x+3)$

$+-9x^2-2x-3$

$-3x^2+10x-6$

1) Simplify and write each polynomial in Standard form. 2) Find the degree of the polynomial and 3) state whether it is a monomial a binomial or a trinomial. 4) Identify the leading coefficient.

a. $10x-7+9x^2+2x$

1. $9x^2+12x-7$
2. 2°
3. trinomial
4. 9

b. $4x+3x+8-1+2x+7$

1. $9x+14$
2. 1°
3. binomial
4. 9

c. $6xy-4xy+9xy-1xy$

1.
2.
3.
4.

d. $2+6x^2+8x+4+1x^2-9$

1. $7x^2+8x-3$
2. 2°
3. trinomial
4. 7

Find each Product.

a. $1x(7x+3)$

$7x^2+3x$

b. $-x(4x^2+3x-2)$

c. $5x(4x^2+9x-5)$

d. $-3x^2(6x^2+3x^1+8)$

$-18x^4-9x^3-24x^2$