

1) Write the following polynomial in decreasing exponent form. Then state the **leading coefficient**, the **degree**, and **classify** it by the number of terms.

$$20x^3 - x^4 + 6x^2$$

2) Simplify the following expression.

$$(8y^3 - 7y^2 + y) - (9y^2 - 5y + 7)$$

$$(m + 3)(-2m^2 + 5m - 1)$$

$$(x + 1)^2 \text{ [Hint - the answer is NOT } x^2 + 1]$$