ALGEBRA II SECTION 6-3

## **REMAINDER AND FACTOR THEOREMS**

Review f(#) from section 6-4. Too easy! So, try a tough one without the calculator.

Find f(2) for:  $x^7 - x^6 + x^5 + x^4 - x^3 + x^2 - x +$ This problem will vary from class to class

Use synthetic "SUBSTITUTION" to find g(3) and g(-5) for each of the following functions.



Determine if the binomial given is a factor of the polynomial given.



Given a polynomial and one of its *factors*, find the remaining *factors* of the polynomial.

