Algebra III Factoring and Zeros   Name:
1/11/18

For each problem show all work on a separate sheet of paper..
   a. List all possible rational zeros.
   b. Factor the polynomial
   c. Determine the zeros.

1. $f(x)=x^3-3x^2-x+3$

2. $g(x)=2x^3-5x^2-11x-4$

3. $f(x)=6x^3+43x^2+67x+10$

4. $k(x)=x^4-9x^2+4x+12$

5. $m(x)=3x^4+6x^3-7x^2+4x-6$

6. $n(x)=6x^4+49x^3+122x^2+91x+12$