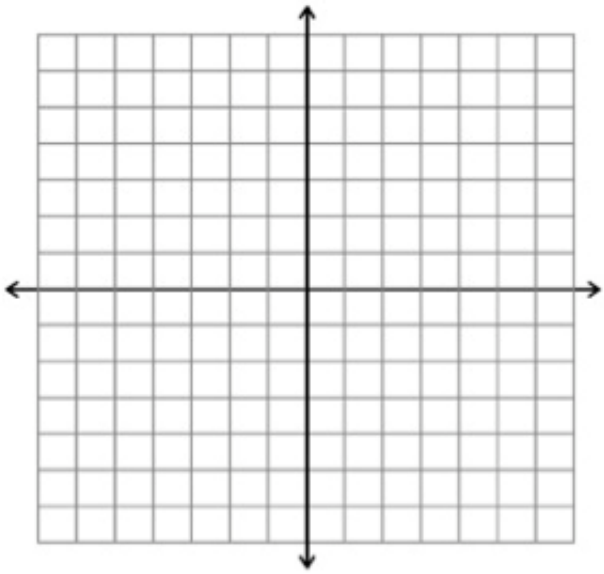
Secondary Math III
HW 3-3 Graphing Polynomials from Standard Form

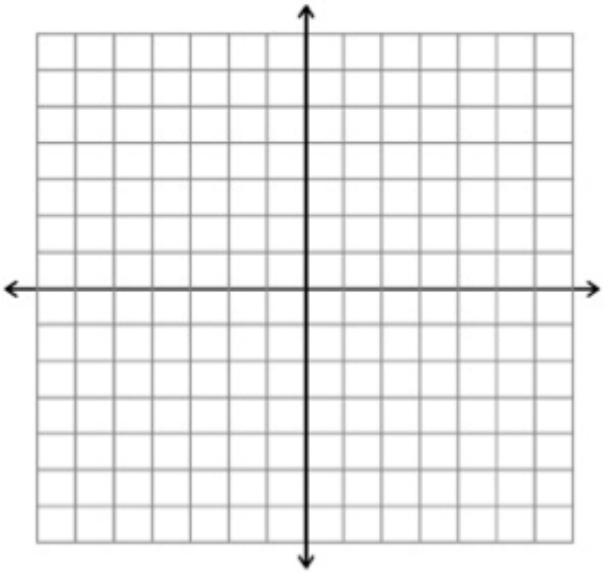
Name:_____
Period:_____

Find the zeros of the polynomials, then graph by hand.

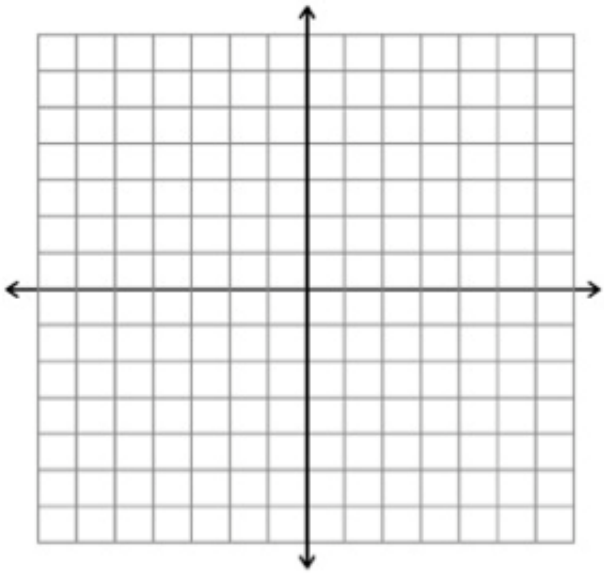
1. $f(x) = x^3 - 8x^2 + 19x - 12$



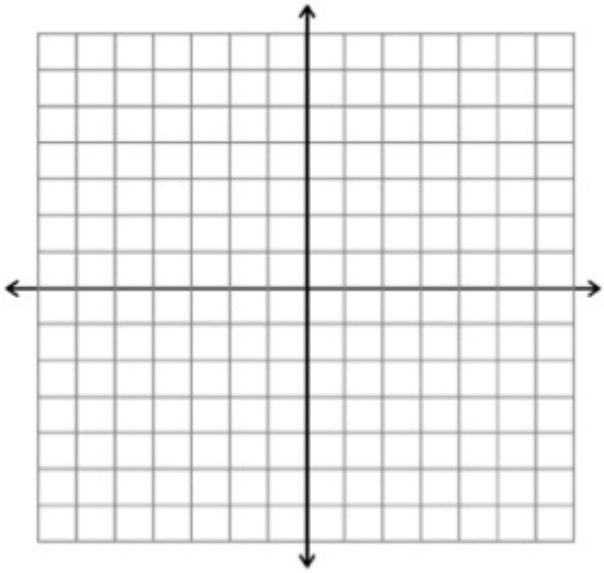
2. $f(x) = x^4 + 8x^3 + 20x^2 + 16x$



3. $f(x) = x^4 - 3x^3 - 10x^2$

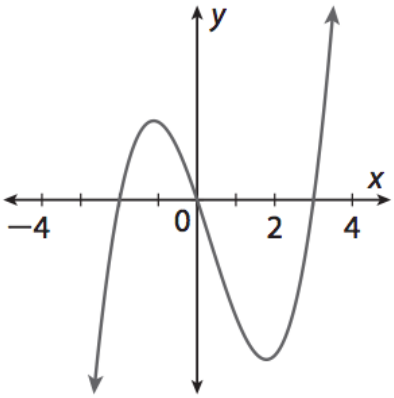


4. $f(x) = -x^3 - 2x^2 + x + 2$



5. True or False: f(x) is the function of the graph below. Explain WHY or WHY NOT!

$f(x) = x^3 + x^2 - 6x$



Review

Factor the following

1. $27y^3 - 8$
2. $4z^2 - 4z + 1$
3. $2x^3 - 3x^2 + 2x - 3$