Advanced Precalculus **Name:** _____
More with Polynomial Graphs

I. Deciding what a graph should look like.

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II. Graphing Factored Polynomials on Ti

$f(x)=(x-2)(x+3)(x-5)(x+7)$

$f(x)=-(x-1)(x+3)(x-4)(x+1)^2$

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

$f(x)=-2(x+1)(x+2)(x+3)(x-4)$

III. Graphing Factored Polynomials by Hand

$f(x)=(x-2)(x+4)(x+6)$

$f(x)=(x-4)(x+4)^2(x+1)$

$f(x)=-(x-1)(x+5)$

$f(x)=-(x+1)(x-4)^3(x+5)$

IV. Identifying Factored Polynomials