

Summer assignment for students entering IB Pre Calculus:

You need to be able to factor the Greatest Common Factor from any monomial or polynomial.

You need to be able to factor each of the following types of polynomials to its component first degree binomial factors:

- Quadratic Trinomials
- Difference of Squares
- Sum of Squares
- Difference of Cubes
- Sum of Cubes
- Polynomials of the form $(x - a_1)(x - a_2)\dots(x - a_n)$ where a_n is a real or imaginary number; knowledge of Synthetic Division would be helpful in this case.

If you need help, there are a number of FREE tutorials on the internet. Write a Google inquiry in the form "factoring trinomials + help" and you will get an exhaustive list. Choose the site you find most user friendly.

Additionally, in order to work at the level of the material which will be covered in IB Pre Calculus, you must be able to do all of the problems on the MCPS Reviews for Honors Algebra 2A and Honors Algebra 2B. These reviews and the answers to the problems are available on the MCPS website.

I will answer emails over the summer if you have questions. Don't wait until the last week in August to make sure you know what you are doing.

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