MHF 4UI   Learning Goals Unit 1 - Polynomials and Equations

- **Factor Polynomials**
- **Solve polynomials equations, sketch polynomial functions**
- **Solve Radical and Absolute Value equations**
- **Use Geometry to support solving equations and inequalities**

Topic	I have reviewed it.	I have done a question.
Polynomial Division		
Factor Theorem		
Polynomial Equations		
Fundamental Theorem of Algebra $ax^n + bx^{n-1} + cx^{n-2} + \ldots + d = 0$ has **n** roots		
Sketching Polynomials Functions		
Solving Linear Inequalities		
Solving Polynomial Inequalities by Sketching		
Radical Equations – <u>Always</u> do a LS / RS check!		
Absolute Value Equations – Set up cases!		
Absolute Value Inequality – consider the equality and sketch		
Graph "**Absolute Value of a Function**"		
Piecewise Function		