

IM 3 Lesson 4.8: Unit 4 Review

BIG PICTURE of this UNIT:	<ul style="list-style-type: none">• What is a Polynomial and how do they look?• What are the attributes of a Polynomial?• How do I work with Polynomials?• A detailed look into Rational Functions		
CONTEXT of this LESSON:	Where we've been The Unit has taken us through the basics and advanced topics of polynomials, synthetic division and rational functions	Where we are Time to begin Reviewing	Where we are heading Unit 4 Test on the horizon!

(A) Topics to be Covered on the Test

- Data Management:
 - a. Regressions given a set of data
 - b. r^2 to test the accuracy of your model
- Quadratic Factoring
- Solving Quadratics w/ the Quadratic Formula
- Evaluating Polynomials
 - a. Algebraically
 - b. w/ GDC
- Solving Polynomials w/ GDC
- Polynomial Operations (+ - x /)
- Graph \rightarrow Equation
 - a. Leading Coefficient
 - b. Degree
 - c. Constant
 - d. Multiplicity
- Equation \rightarrow Graph
 - a. Leading Coefficient
 - b. Degree
 - c. Constant
 - d. Multiplicity
- Synthetic Division
- Fully Factoring Cubics or Quartics
- Rational Functions Basics
- Rational Functions Linear/Linear