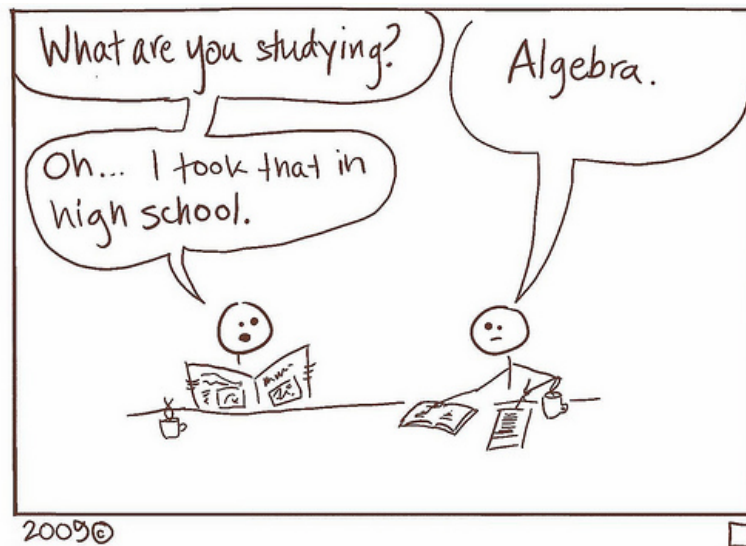


Math 464 – Introduction to Abstract Algebra II

Instructor: Matthew Bates, matthew.bates1@maine.edu

When: MWF 10:00-10:50

Groups were just the beginning. In this course we will examine more complex algebraic structures (rings and fields) and culminate with Galois theory. There is some really cool maths here – it is abstract but has surprisingly concrete applications. By the end of the course you will be able to draw a triangle with a ruler and compass, and understand *why* you can solve a quadratic equation.



“There is no branch of mathematics, however abstract, which may not some day be applied to phenomena of the real world.”

- Nikolai Lobatchevsky

“In real life, I assure you, there is no such thing as algebra.”

- Fran Lebowitz

Two conflicting schools of thought. To which do you subscribe?