

**Division of Arts and Sciences**

**College Math**

**Midterm Exam**

Student Name:

Date:

Instructor:

Lucie Mingla

College Math – MAT 105

Fall Semester 2014

**This exam is required by ASA Administration. Answer all questions and show accompanying detailed solutions ONLY on these pages to receive full credit.**

* *No Cell phones or any electronic devices are allowed during the exam.*
* *Once the final exam begins, students cannot leave the room until the exam is finished.*
* *No scrap paper is allowed during the exam.*

**Use the laws of exponents to simplify:**

1. **Add**
2. **Find the difference of**

**Multiply polynomials and simplify if possible:**

**Solve linear equations:**







**Factor completely the following expressions:**



**Solve second degree equations:**



**Simplify and reduce to the lowest terms**

**Multiply and divide rational expressions:**

**Add expressions:**

**Solve rational equations.**

**Solve this equation using Quadratic Formula**

**Simplify the radical expression.**