Prairie State College
Discipline/Course Assessment Plan
Fall 2015

Course title/number	Computational Skills II (Math 085)
Faculty members participating	All full-time members of the department, and any adjuncts who are teaching Math 085 in the Spring, or who choose to participate
Faculty member submitting this plan	Kate Sims-Drew
Date submitted	October 15, 2015

1. **Course student learning outcome(s) to be assessed:**
   Base your Student Learning Outcome on the official course outline.

   1. Use the rules of signed number arithmetic to perform operations on integers. These operations include, but are not limited to, addition, subtraction, multiplication, division, exponentiation (raising numbers to powers), negation (finding additive inverses or opposites), ordering, and evaluating absolute values

   2. Translate words or problem situations to algebraic expressions.

   4. Solve one or two-step linear equations involving integers and fractions.

   6. Find multiples and factors of numbers. Find the least common multiple (LCM) and the greatest common factor (GCF) of two or three numbers.

   15. Evaluate algebraic expressions given specific values for the variables. [Problems may involve using the order of operations.]

   16. Use the order of operations to simplify arithmetic expressions. The expressions may involve integers, fractions, or decimal numbers.

   17. Collect and combine like terms to simplify algebraic expressions. The coefficients in the expressions may be integers, fractions, or decimal numbers.

2. **Is this a follow-up to a previous assessment and related to the findings?**
   _X__ No ____ Yes *(briefly please explain below)*

   a. **Summarize in three or four sentences the result of your outcomes assessment for the previous year:**

   N/A

b. Given these results, what improvements are you implementing this year?

N/A

c. How will you assess the effectiveness of these changes?

N/A

3. **Sections/students to be assessed:**

Semester	Section(s)	Estimated Enrollment
Spring 2016	Math 085 all sections	180

4. **What assessment instrument are you using? (ie, exam, presentation, portfolio, etc.) Please explain.**

We will administer a multiple choice in-class assignment that will take 10 minutes, both in the first week of class and in the last week of class.

5. **What data will be collected?**

We will have ITR process the scantrons, which will give us individualized information for each student about whether each question was correct.

6. **How will the data be analyzed?**

We will look at the growth of each student—how did their score on the assessment change from week 1 to week 16?

7. **What is your desired goal? Include your measurable target.** *(Example: Seventy percent of students will score a 3 or better on a five-point evaluation rubric.)*

The average difference between final and initial score will be significantly greater than zero for students who earn a C or better in Math 085 in Spring 2016

8. **How will adjunct faculty be involved in this assessment?**

Since adjunct faculty teach a large number of our developmental classes, many of them will be administering the assessment in their class. We also invite adjunct faculty to our department meetings, where we will analyze and discuss the results.

9. **Do you need any support or data to complete your assessment?**

_X__ No ___ Yes, please explain below:

10. **Please identify which GENERAL EDUCATION OUTCOME(S) this assessment project will address:**

  X   **PROBLEM SOLVING**   **SOCIAL & CULTURAL AWARENESS**

       COMMUNICATION   **PROFESSIONALISM**

  X **DISCIPLINE-SPECIFIC KNOWING**   **INFORMATION LITERACY**

Revised 9/3/2014