

## **Ma 081~ Basic Mathematics PreTest Study Guide**

For this test, you will have to demonstrate proficiency in the following skills:

- Determining to which number set(s) a number belongs (counting numbers? integers? rational numbers? irrational numbers? real numbers? or more than one of the above?)
- Rounding a number to a given place value.
- Adding, subtracting, multiplying, and dividing integers, fractions, and decimal numbers.
- Exponents on integers and fractions.
- Solving problems that require understanding the Order of Operations rule.
- Prime factorization.
- Finding the Greatest Common Factor or Least Common Multiple of two or more numbers.
- Converting fractions to decimal numbers and vice versa.
- Applying any of the above to a real-world situation.