

# Class Standards Proficiency

**Class:** Math 3B

**Date Scored:** 6/17/2004

**Proficient:**   $\geq 75\%$

**Instructor:** LA Smith

**Test:** Revised by Smith- Practice Test 3

**Not Proficient:**   $< 75\%$

## Standard 1: Numbers and Operations

**8NC 1.01** Develop number sense for real numbers. \* Define and use irrational numbers. \* Compare and order. \* Use estimates of irrational numbers in appropriate situations.

**Learners Proficient:** 27/30 (90%)

**Class:**

**8NC 1.02** Develop flexibility in solving problems by selecting strategies and using mental computation, estimation, calculators or computers, and paper and pencil.

**Learners Proficient:** 27/30 (90%)

**Class:**

## Standard 2: Measurement

**8NC 2.01** Determine the effect on perimeter, area, or volume when one or more dimensions of two- and three-dimensional figures are changed.

**Learners Proficient:** 27/30 (90%)

**Class:**

**8NC 2.02** Apply and use concepts of indirect measurement.

**Learners Proficient:** 28/30 (93%)

**Class:**

## Standard 3: Geometry

**8NC 3.02** Apply geometric properties and relationships, including the Pythagorean theorem, to solve problems.

**Learners Proficient:** 25/30 (83%)

**Class:**

**8NC 3.03** Identify, predict, and describe dilations in the coordinate plane.

**Learners Proficient:** 13/30 (43%)

**Class:**

## Standard 4: Data Analysis and Probability

**8NC 4.01** Collect, organize, analyze, and display data (including scatterplots) to solve problems.

**Learners Proficient:** 25/30 (83%)

**Class:**

**8NC 4.02** Approximate a line of best fit for a given scatterplot; explain the meaning of the line as it relates to the problem and made predictions.

**Learners Proficient:** 25/30 (83%)

**Class:**

**8NC 4.03** Identify misuses of statistical and numerical data.

**Learners Proficient:** 15/30 (50%)

**Class:**

## Standard 5: Algebra

**8NC 5.01** Develop an understanding of function. \* Translate among verbal, tabular, graphic, and algebraic representations of functions. \* Identify relations and functions as linear or nonlinear. \* Find, identify, and interpret the slope (rate of change) and intercepts of a linear relation. \* Interpret and compare properties of linear functions from tables, graphs, or equations.

**Learners Proficient:** 27/30 (90%)

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**8NC 5.02** Write an equation of a linear relationship given: two points, the slope and one point on the line, or the slope and y-intercept.

**Learners Proficient:** 29/30 (97%)

**Class:**

**8NC 5.03** Solve problems using linear equations and inequalities; justify symbolically and graphically.

**Learners Proficient:** 27/30 (90%)

**Class:**

**8NC 5.04** Solve problems using the inverse relationships of addition and subtraction, multiplication and division, squares and square roots, and cubes and cube roots.

**Learners Proficient:** 24/30 (80%)

**Class:**