

A.B.E. Math: IISP for TABE 11/12[®] Level D

Student: _____ I.D.: _____
 Teacher: _____ Course: _____ Date: _____

CURRENT TESTING INFORMATION

Test Date: _____
 Current Test Level: E
 Current Test Form: 11 12
 NRS & Scale Score: NRS 3 (496-536)
 NRS 4 (537-595)

POST-TESTING INFORMATION

Target Post-test Date: _____
 NTA Test Level: _____
 NTA Form: _____
 Target NRS Level: _____
 Min. Target Scale Score: _____
 Total Test Items: Forms 11 & 12: 40
 Total Testing Time: Forms 11 & 12: 65 min.

Points needed for Next Level: _____

Domain: Geometry (15%)

Total Items: Forms 11 & 12: 5
Total Points: Forms 11 & 12: 5

Proficiency: Non-proficiency
 Partial proficiency
 Proficiency

Minimum points required for proficiency:
 Forms 11 & 12: 5

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
<input type="checkbox"/>	Plot points and draw polygons with integer coordinates in the coordinate plane	
<input type="checkbox"/>	Recognize and use right triangles drawn in the coordinate plane to solve problems	
<input type="checkbox"/>	Explore the effects of simple transformations (90 or 180 degree rotations, reflections, and translations) on common plane figures	
<input type="checkbox"/>	Use the Pythagorean theorem to find missing side lengths of right triangles both on and off the coordinate plane	
<input type="checkbox"/>	Solve problems involving adding and subtracting areas of rectangles	
<input type="checkbox"/>	Write and solve simple, single-step equations to find unknown angle measures in given diagrams	
<input type="checkbox"/>	Recognize when to use (and use) the Pythagorean theorem to find the lengths of line segments on the coordinate plane	
<input type="checkbox"/>	Solve problems involving adding and subtracting areas of rectangles with fractional side lengths	
<input type="checkbox"/>	Use the formulas for the area and circumference of circles to solve problems	
<input type="checkbox"/>	Explore the effects of simple series of transformations on common figures on and off the coordinate plane	
<input type="checkbox"/>	Use the Pythagorean theorem to solve problems involving right triangles in two and three dimensions	
<input type="checkbox"/>	Solve problems involving surface areas and volumes of right rectangular prisms	
<input type="checkbox"/>	Use the formulas for the area and circumference of circles to solve problems involving volumes of cylinders	
<input type="checkbox"/>	Explore the effects of simple series of transformations on parts of figures (e.g., lines, points, angles, parallel lines, etc.) on and off the coordinate plane	

Domain: Expressions and Equations (20%)

Total Items: Forms 11 & 12: 7
Total Points: Forms 11 & 12: 7

Proficiency: Non-proficiency
 Partial proficiency
 Proficiency
Minimum points required for proficiency:
Forms 11 & 12: 7

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
<input type="checkbox"/>	Solve equations involving square and cube roots of perfect squares and cubes	
<input type="checkbox"/>	Write or solve expressions and equations involving the distributive property and combining like terms	
<input type="checkbox"/>	Use properties of operations and exponents to justify steps in solving an equation	
<input type="checkbox"/>	Write linear equations to represent real-world situations	
<input type="checkbox"/>	Represent equations of lines by graphing them on the coordinate plane	
<input type="checkbox"/>	Write linear equations involving rational numbers in any form (e.g., fractions, decimals) to represent real-world situations	
<input type="checkbox"/>	Identify graphs of linear equations, including those represented by equations and word descriptions of real-world situations	
<input type="checkbox"/>	Graph systems of linear equations and find the point of intersection to approximate the solution	
<input type="checkbox"/>	Express very large and very small numbers in scientific notation	
<input type="checkbox"/>	Write and solve linear equations and inequalities involving rational numbers in any form (e.g., fractions, decimals) and requiring the use of the distributive property and/or combining like terms	
<input type="checkbox"/>	Create graphs of linear equations, including those represented by equations and word descriptions of real-world situations, using appropriate axis labels and scales	
<input type="checkbox"/>	Write and solve systems of equations to represent real-world situations	
<input type="checkbox"/>	Solve problems involving addition, subtraction, multiplication, or division of numbers expressed in scientific notation	
<input type="checkbox"/>	Use properties of exponents to simplify expressions with rational number exponents	
<input type="checkbox"/>	Create multiple representations of real-world situations modeled by linear equations (e.g., graphs, tables, verbal description) and use them to solve problems	
<input type="checkbox"/>	Solve systems of linear equations and inequalities in multiple ways (e.g., graphing, substitution, etc.)	

Domain: Ratios & Proportional Relationships (10%)

Total Items: Forms 11 & 12: 4
Total Points: Form 11: 6 & Form 12: 4

Proficiency: Non-proficiency
 Partial proficiency
 Proficiency
Minimum points required for proficiency:
Form 11: 6 & Form 12: 4

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
<input type="checkbox"/>	Use ratio language to describe a ratio relationship between two quantities	
<input type="checkbox"/>	Find missing values of tables with equivalent ratios	
<input type="checkbox"/>	Plot pairs of values from tables on a coordinate grid	
<input type="checkbox"/>	Find missing values in tables that represent proportional relationships with context	
<input type="checkbox"/>	Plot pairs of values from tables on a coordinate grid to represent real-world, proportional relationships	
<input type="checkbox"/>	Identify the constant of proportionality (or unit rate) associated with ratios of whole numbers	
<input type="checkbox"/>	Interpret the meaning of a point on the graph of a proportional relationship in context	
<input type="checkbox"/>	Identify the constant of proportionality (or unit rate) associated with ratios of whole numbers and fractions	
<input type="checkbox"/>	Use proportional relationships to solve simple problems (e.g., gratuities, fees, tax, commissions, etc.)	
<input type="checkbox"/>	Decide whether two quantities are in a proportional relationship (e.g., in a table or graph)	
<input type="checkbox"/>	Create tables, graphs, and equations to represent proportional relationships and use them to solve problems	
<input type="checkbox"/>	Use proportional relationships to solve multi-step ratio and percent problems (e.g., simple interest, markups and markdowns, percent increase and decrease, percent error, etc.)	

Domain: Statistics & Probability (20%)

Total Items: Form 11: 7 & Form 12: 7
Total Points: Form 11: 7 & Form 12: 8

Proficiency: Non-proficiency
 Partial proficiency
 Proficiency
Minimum points required for proficiency:
 Form 11: 6 & Form 12: 7

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
<input type="checkbox"/>	Find a measure of center and variability of a given data set	
<input type="checkbox"/>	Create and use information presented in two-way tables to solve simple problems	
<input type="checkbox"/>	Use basic probability models to simulate events and generate random data (e.g., using spinners, rolling dice, flipping coins, etc.)	
<input type="checkbox"/>	Find the probability of a simple event	
<input type="checkbox"/>	Use measures of center and variability of given data sets to draw inferences	
<input type="checkbox"/>	Use basic probability models to simulate compound events and generate random data	
<input type="checkbox"/>	Describe patterns of association between two quantities represented in scatter plots of bivariate data (e.g., linear, increasing, outliers, clustering, etc.)	
<input type="checkbox"/>	Create multiple representations of sample spaces of compound events (e.g., lists, diagrams, simulation) and use them to find probabilities	
<input type="checkbox"/>	Use measures of center and variability of given data sets, represented in multiple ways, to draw comparative inferences	
<input type="checkbox"/>	Use random data to approximate the probability of a change event	
<input type="checkbox"/>	Create scatter plots for bivariate data sets and draw lines of best fit to model linear relationships between the variables	
<input type="checkbox"/>	Use proportional relationships to solve simple problems (e.g., gratuities, fees, tax, commissions, etc.)	
<input type="checkbox"/>	Identify and create multiple representations of data sets (e.g., tables, scatter plots, histograms, box plots, etc.)	
<input type="checkbox"/>	Interpret the slope and intercepts of a linear model in context	
<input type="checkbox"/>	Use the equation of a linear model to solve basic problems in context	
<input type="checkbox"/>	Use proportional relationships to solve multi-step ratio and percent problems (e.g., simple interest, markups and markdowns, percent increase and decrease, percent error, etc.)	

Domain: The Number System (25%)

Total Items: Form 11: 8 & Form 12: 8
Total Points: Form 11: 8 & Form 12: 9

Proficiency: Non-proficiency
 Partial proficiency
 Proficiency
Minimum points required for proficiency:
 Form 11: 8 & Form 12: 9

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
<input type="checkbox"/>	Identify and represent rational numbers on a number line	
<input type="checkbox"/>	Represent real-world situations with rational numbers	
<input type="checkbox"/>	Identify and represent positive and negative integers on a number line	
<input type="checkbox"/>	Represent real-world situations with positive and negative integers	
<input type="checkbox"/>	Identify and represent the absolute values and opposites of numbers on a number line	
<input type="checkbox"/>	Identify and create multiple representations of positive and negative integers and rational numbers	
<input type="checkbox"/>	Solve one-step problems, with and without context, involving operations with positive and negative integers	
<input type="checkbox"/>	Represent polygons with vertices at given coordinates on a coordinate grid	
<input type="checkbox"/>	Solve multi-step problems involving positive rational numbers	
<input type="checkbox"/>	Solve one-step problems involving operations with positive and negative integers and represent the operations on a number line	
<input type="checkbox"/>	Create polygons on the coordinate grid having specified characteristics (e.g., area, perimeter)	
<input type="checkbox"/>	Identify and represent approximations of irrational numbers on a number line	
<input type="checkbox"/>	Plot points with rational number coordinates in multiple forms on a coordinate grid	

Domain: The Number System (Continued)		
Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
<input type="checkbox"/>	Plot points with positive and negative integer coordinates on a coordinate grid	
<input type="checkbox"/>	Explore the effects of transformations on points on a coordinate grid	

Domain: Functions (10%)		
Total Items: Forms 11 & 12: 4 Total Points: Forms 11 & 12: 4		Proficiency: <input type="checkbox"/> Non-proficiency <input type="checkbox"/> Partial proficiency <input type="checkbox"/> Proficiency Minimum points required for proficiency: Forms 11 & 12: 4
Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
<input type="checkbox"/>	Identify and create examples and non-examples of functions	
<input type="checkbox"/>	Identify simple characteristics of graphs of functions (e.g., increasing, linear, etc.)	
<input type="checkbox"/>	Identify graphs of functions that are linear and nonlinear	
<input type="checkbox"/>	Create input-output tables to represent functions	
<input type="checkbox"/>	Identify simple characteristics of different intervals of graphs of functions, with and without context	
<input type="checkbox"/>	Identify equations of functions that are linear and nonlinear	
<input type="checkbox"/>	Identify the rate of change of a linear function represented by a table	
<input type="checkbox"/>	Create and use graphs of linear functions to represent real-world situations	
<input type="checkbox"/>	Identify and create the equation of a linear function represented by a table	
<input type="checkbox"/>	Create equations, tables, and graphs to represent linear functions with given rates of change	
<input type="checkbox"/>	Write the equation of a linear function represented by a table or a graph	
<input type="checkbox"/>	Use the equation or graph of a linear function to represent and solve real-world problems	
<input type="checkbox"/>	Identify the intercepts of graphs of functions	
<input type="checkbox"/>	Use function notation and interpret statements that use function notation in context	
<input type="checkbox"/>	Evaluate a linear function at a given value	