## Unit: Numbers and Operations/Pythagorean Theorem

Content Standard: Numbers, number systems and number relationships

Computation and estimation Algebra and functions

Trigonometry

#### State Curriculum Standard:

2.1.8.A	Represent and use numbers in equivalent forms (e.g., integers, fractions, decimals, percents, exponents,
	scientific notation, square roots).
2.1.8.B	Simplify numerical expressions involving exponents, scientific notation and using order of operations.
2.1.8.E	Simplify and expand algebraic expressions using exponential forms.
2.1.11.A	Use operations (e.g., opposite, reciprocal, absolute value, raising to a power, finding roots, finding logarithms).
2.2.8.A	Complete calculations by applying the order of operations.
2.2.8.C	Estimate the value of irrational numbers.
2.2.11.A	Develop and use computation concepts, operations and procedures with real numbers in problem-solving situations.
2.2.11.B	Use estimation to solve problems for which an exact answer is not needed.
2.2.11.D	Describe and explain the amount of error that may exist in a computation using estimates.
2.8.11.P	Analyze a relation to determine whether a direct or inverse variation exists and represent it algebraically and graphically.
2.10.11.B	Identify, create and solve practical problems involving right triangles using the trigonometric functions

## ISTE Standard: 1 Basic Operations

2 Social, ethical, and human issues 3 Technology productivity tools 4 Technology communication tools

5 Technology research tools

and the Pythagorean Theorem.

6 Technology problem-solving and decision-making tools

#### **PSSA Anchor:**

M11.A.1.1.1	Find the square root of an integer to the nearest tenth using either a calculator or estimation.
M11.A.1.1.2	Express numbers and/or simplify expressions using scientific notation (including numbers less than 1).
M11.A.1.1.3	Simplify square roots. (e.g., $\sqrt{24} = 2\sqrt{6}$ )
M11.A.1.2.1	Find the Greatest Common Factor (GCF) and/or the Least Common Multiple (LCM) for sets of monomials.
M11.A.1.3.1	Locate/identify irrational numbers at the approximate location on a number line.
M11.A.1.3.2	Compare and/or plot irrational numbers at the approximate location on a number line.
M11.A.2.1.1	Solve problems using operations with rational numbers including rates and percents (single and multi-step and multiple procedure operations) (e.g., distance, work and mixture problems, etc.).
	oporationo, loigi, alotano, montana mintano problemo, eteli

M11.A.2.1.2 Solve problems using direct and inverse proportions.

M11.A.2.1.3 Identify and/or use proportional relationships in problem solving settings.

M11.A.2.2.1 Simplify/evaluate expressions involving positive and negative exponents, roots and/or absolute value (may contain all types of real numbers - exponents should not exceed power of 10).

M11.A.2.2.2 Simplify/evaluate expressions involving multiplying with exponents (e.g. x^6 \* x^7 = x^13), powers of powers (e.g.,(x^6)7=x^42) and

powers of products (2x2)3=8x6 (positive exponents only).

M11.A.3.1.1 Simplify/evaluate expressions using the order of operations to solve problems (any rational numbers may be used).

M11.A.3.2.1 Use estimation to solve problems.

M11.C.1.4.1 Find the measure of a side of a right triangle using the Pythagorean Theorem (Pythagorean Theorem

included on the reference sheet).

Appendix: A - PA Grade 11 Math Assessment Anchor Checklist

**B - Grade 11 PA Formula Sheet** 

**C - PA Academic Standards for Mathematics Glossary** 

D – PA Math Rubric

Course Content	Student Performance	Resources	Assessments
A. Number Theory	Find the root of an integer.	Math Matters 2 (For page	Observations
B. Integers	Convert to and from scientific notation.	numbers – see Appendix A)  • Ch. 2	Homework
C. Rational Numbers	<ul><li>Simplify Square Roots.</li><li>Identify LCM and GCF.</li><li>Identify irrational numbers.</li></ul>	<ul> <li>Ch. 11 (pgs. 484 – 487)</li> <li>9-6 for working backwards</li> </ul>	Class work
D. Irrational Numbers	Solve problems using rates	<ul> <li>11-8 for elimination</li> </ul>	Projects/oral presentations
E. Scientific Notation	<ul><li>and percents</li><li>Simplify and evaluate</li></ul>	wrong answers	PSSA problems
F. Exponents	expressions using order of operations.	PSSA Coach: Grade10	At the bell problems
G. Square Roots	<ul> <li>Solve problems using proportional</li> </ul>	<ul> <li>PSSA Coach: Grade 11 (pgs.23-107)</li> </ul>	Tests/quizzes
H. Estimation	relationships(percents and discounts).	Study Island 8 <sup>th</sup> grade	Study Island 8 <sup>th</sup> grade
I. Pythagorean Theorem	<ul> <li>Simplify exponential expressions.</li> </ul>	Compass online learning	Kids College
J. Test-Taking Strategy	<ul> <li>Solve problems using the Pythagorean Theorem.</li> </ul>	tool	
Working backwards	Use and apply applicable vocabulary terms from the	<ul> <li>PSSA open-ended practice questions</li> </ul>	
<ul><li>K. Test-Taking Strategy</li><li>Eliminating wrong</li></ul>	PA Academic Standards for	Calculators	Remediation
answers	Mathematics Glossary (Appendix E).	Calculators	Software
	Demonstrate standardized		Tutoring
	test taking strategies and		Video Clips
	skills.		Re-teaching
	<ul> <li>Calculator skill: order of operations, higher powers,</li> </ul>		Enrichment
	roots		Internet/research activities
			Group projects
			Teacher-driven assignments

Unit: **Measurement** 

Content Standard: Measurement and estimation

#### State Curriculum Standard:

2.3.8.A Develop formulas and procedures for determining measurements (e.g., area, volume, distance).

2.3.8.D Estimate, use and describe measures of distance, rate, perimeter, area, volume, weight, mass and angles.

2.3.8.E Describe how a change in linear dimension of an object affects its perimeter, area and volume.

2.3.11.A Select and use appropriate units and tools to measure to the degree of accuracy required in particular measurement situations.

2.3.11.B Measure and compare angles in degrees and radians.

ISTE Standard: 1 Basic Operations

2 Social, ethical, and human issues 3 Technology productivity tools 4 Technology communication tools 5 Technology research tools

6 Technology problem-solving and decision-making tools

#### **PSSA Anchor:**

M11.B.2.3.1

M11.B.2.1.1	Measure and/or compare angles in degrees (up to 360°) (protractor must be provided or drawn).
M11.B.2.2.1	Calculate the surface area of prisms, cylinders, cones, pyramids and/or spheres. Formulas are provided on the reference s
M11.B.2.2.2	Calculate the volume of prisms, cylinders, cones, pyramids and/or spheres. Formulas are provided on the reference sheet.
M11.B.2.2.3	Estimate area, perimeter or circumference of an irregular figure.
M11.B.2.2.4	Find the measurement of a missing length given the perimeter, circumference, area or volume.
M11.B.2.3.1	Describe how a change in the linear dimension of a figure affects its perimeter, circumference, area or volume.
M11.B.2.3.1	How does changing the length of the radius of a circle affect the circumference of the circle?
M11.B.2.3.1	How does changing the length of the edge of a cube affect the volume of the cube?

How does changing the length of the base of a triangle affect the area of the triangle?

sheet.

Appendix: A - PA Grade 11 Math Assessment Anchor Checklist

**B - Grade 11 PA Formula Sheet** 

**C - PA Academic Standards for Mathematics Glossary** 

D - PA Math Rubric

Course Content	Student Performance	Resources	Assessments
A. Measurements of Angles	<ul> <li>Measure and compare angles</li> </ul>	<ul> <li>Math Matters 2 (For page numbers – see Appendix A)</li> </ul>	Observations
B. Perimeter	Calculate perimeter, circumference, area, surface	<ul> <li>Ch. 5 (pgs. 192 – 211)</li> <li>3-3 and 10-9 for using a</li> </ul>	Homework
C. Circumference	area and volume	formula	Class work
D. Area	<ul> <li>Solve for unknown lengths given perimeter, areas, circumference, or volume</li> </ul>	PSSA Coach: Grade10	Projects/oral presentations
E. Surface Area	Describe how a change in dimension affects perimeter,	PSSA Coach: Grade 11     (pgc 23 107)	PSSA problems
F. Volume	area and volume	(pgs.23-107)	At the bell problems
G. Scale/Change in Dimensions	Use and apply applicable vocabulary terms from the PA Academic Standards for	Study Island 8 <sup>th</sup> grade     Company online learning	Tests/quizzes
H. Test-Taking Strategy:	Mathematics Glossary (Appendix E)	Compass online learning tool	Study Island 8 <sup>th</sup> grade
Use a formula	Use and apply formulas from PSSA sheet	<ul> <li>PSSA open-ended practice questions</li> </ul>	Kids College
	Demonstrate standardized test taking strategies and	Calculators	
	<ul><li>skills</li><li>Calculator skill: pi, order of</li></ul>		
	operations		Remediation     Software     Tutoring     Video Clips     Re-teaching
			<ul> <li>Enrichment</li> <li>Internet/research activities</li> <li>Group projects</li> <li>Teacher-driven assignments</li> </ul>

Unit: Geometry

Content Standard: Geometry

#### State Curriculum Standard:

2.9.8.D Identify, name, draw and list all properties of squares, cubes, pyramids, parallelograms, quadrilaterals,

trapezoids, polygons, rectangles, rhombi, circles, spheres, triangles, prisms and cylinders.

- 2.9.11.B Prove that two triangles or two polygons are congruent or similar using algebraic, coordinate and deductive proofs.
- 2.9.11.C Identify and prove the properties of quadrilaterals involving opposite sides and angles, consecutive sides and angles and diagonals using deductive proofs.
- 2.9.11.F Use the properties of angles, arcs, chords, tangents and secants to solve problems involving circles.
- 2.9.11.G Solve problems using analytic geometry.

ISTE Standard: 1 Basic Operations

- 2 Social, ethical, and human issues
- 3 Technology productivity tools
- 4 Technology communication tools
- 5 Technology research tools
- 6 Technology problem-solving and decision-making tools

#### PSSA Anchor:

- M11.C.1.1.1 Identify and/or use the properties of a radius, diameter and/or tangent of a circle (given numbers should be whole.)
- M11.C.1.1.2 Identify and/or use the properties of arcs, semicircles, inscribed angles and/or central angles.
- M11.C.1.2.1 Identify and/or use properties of triangles (e.g., medians, altitudes, angle bisectors, side/angle relationships, Triangle Inequality Theorem).
- M11.C.1.2.2 Identify and/or use properties of quadrilaterals (e.g., parallel sides, diagonals, bisectors, congruent sides/angles and supplementary angles).
- M11.C.1.2.3 Identify and/or use properties of isosceles and equilateral triangles.
- M11.C.1.3.1 Identify and/or use properties of congruent and similar polygons or solids.
- M11.C.3.1.1 Calculate the distance and/or midpoint between 2 points on a number line or on a coordinate plane (formula provided on the reference sheet).
- M11.C.3.1.2 Relate the slope to perpendicularity and/or parallelism (limit to linear algebraic expressions; slope formula provided on the reference sheet).

Appendix: A - PA Grade 11 Math Assessment Anchor Checklist

- **B Grade 11 PA Formula Sheet**
- **C PA Academic Standards for Mathematics Glossary**
- D PA Math Rubric

Course Content	Student Performance	Resources	Assessments
A. Circles	Apply properties of radius,	• Math Matters 1, 4-4 and 8-4	Observations
B. Triangles	<ul><li>diameter and tangent</li><li>Apply properties of arcs, semi-circles, inscribed</li></ul>	<ul><li>for drawing a picture</li><li>Math Matters 2</li><li>Ch. 5 (pgs. 212 – 230)</li></ul>	Homework
C. Quadrilaterals	<ul><li>angles and central angles</li><li>Apply properties of triangles</li></ul>	• Ch. 7	Class work
D. Congruent and Similar Polygons	<ul> <li>Apply properties of thangles</li> <li>Apply properties of quadrilaterals</li> </ul>	<ul> <li>Ch. 10</li> <li>Ch. 11 (pgs. 473 - 482)</li> <li>Ch. 11 (pgs. 494 - 508)</li> </ul>	Projects/oral presentations
E. Coordinate Plane	<ul> <li>Identify isosceles and equilateral triangles</li> </ul>	PSSA Coach: Grade10	PSSA problems
F. Distance Formula	<ul><li>Identify congruent figures.</li><li>Identify similar figures</li></ul>	PSSA Coach: Grade 11	At the bell problems
G. Midpoint Formula	<ul> <li>Identify quadrants and plot points</li> </ul>	(pgs.23-107)	Tests/quizzes
H. Perpendicular Lines	<ul> <li>Calculate distance and midpoint</li> </ul>	Study Island 8 <sup>th</sup> grade	• Study Island 8 <sup>th</sup> grade
I. Parallel Lines	<ul> <li>Find coordinates given the distance or midpoint</li> </ul>	Compass online learning tool	Kids College
J. Test-Taking Strategy  • Drawing a picture	Apply properties of perpendicular and parallel lines	PSSA open-ended practice questions	
	<ul> <li>Use and apply applicable vocabulary terms from the PA Academic Standards for Mathematics Glossary (Appendix E)</li> <li>Demonstrate standardized test taking strategies and</li> </ul>	Calculators	Remediation      Software     Tutoring     Video Clips     Re-teaching
	<ul> <li>skills</li> <li>Calculator: Use and apply calculator for distance and midpoint</li> </ul>		<ul> <li>Enrichment</li> <li>Internet/research activities</li> <li>Group projects</li> <li>Teacher-driven assignments</li> </ul>

Unit: Data Analysis and Probability

Content Standard: Statistics and data analysis **Probability and predications** 

#### State Curriculum Standard:

2.6.8.A	Compare and contrast different plots of data using values of mean, median, mode, quartiles and range.
2.6.8.E	Analyze and display data in stem-and-leaf and box-and-whisker plots.
2.7.8.A	Determine the number of combinations and permutations for an event.
2.7.8.E	Make valid inferences, predictions and arguments based on probability.
2.6.11.A	Design and conduct an experiment using random sampling. Describe the data as an example of a distribution using statistical
	measures of center and spread. Organize and represent the results with graphs. (Use standard deviation, variance and t-tests.)
2.6.11.C	Determine the regression equation of best fit (e.g., linear, quadratic, exponential).
2.6.11.D	Make predictions using interpolation, extrapolation, regression and estimation using technology to verify them.
2.7.11.A	Compare odds and probability.
2.7.11.E	Solve problems involving independent simple and compound events.

### ISTE Standard: 1 Basic Operations

2 Social, ethical, and human issues 3 Technology productivity tools 4 Technology communication tools 5 Technology research tools

6 Technology problem-solving and decision-making tools

#### **PSSA Anchor:**

M11.E.1.1.1	Create and/or use appropriate graphical representations of data, including box-and-whisker plots, stem-and-leaf plots, or scatter plots.
M11.E.1.1.2	Analyze data and/or answer questions based on displayed data (box-and-whisker plots, stem-and-leaf plots, or scatter plots).
M11.E.2.1.1	Calculate or select the appropriate measure of central tendency (mean, median, or mode) of a set of data given or represented on a
	table, line plot, or stem-and-leaf plot.
M11.E.2.1.2	Calculate and/or interpret the range, quartiles and interquartile range of data.
M11.E.2.1.3	Describe how outliers affect measures of central tendency.
M11 E 2 1 1	Find probabilities for independent dependent or compound events and represent probability as a fraction, decimal or percent

- Find probabilities for independent, dependent or compound events and represent probability as a fraction, decimal or percent. M11.E.3.1.1
- M11.E.3.1.2 Find, convert and/or compare the probability and/or odds of a simple event.
- Determine the number of permutations and/or combinations or apply the fundamental counting principle. (Formula provided on the M11.E.3.2.1 reference sheet).
- Estimate or calculate to make predictions based on a circle, line, bar graph or given situation. M11.E.4.1.1
- Use probability to predict outcomes. M11.E.4.1.2
- Draw, find and/or write an equation for a line of best fit for a scatter plot. M11.E.4.2.1
- Make predictions using the equations of best-fit lines of scatter plots. M11.E.4.2.2

## Appendix: A - PA Grade 11 Math Assessment Anchor Checklist

- B Grade 11 PA Formula Sheet
- **C PA Academic Standards for Mathematics Glossary**
- D PA Math Rubric

Pacing Guide: 15 days	1		1
Course Content	Student Performance	Resources	Assessments
A. Data Displays	Create box-and-whisker,	Math Matters 2	<ul> <li>Observations</li> </ul>
	stem-and-leaf and scatter	• Ch. 1	
B. Measures of Central	plots	• Ch. 4	Homework
Tendency	<ul> <li>Analyze data displays</li> </ul>	• Ch. 10	
	<ul> <li>Calculate measures of</li> </ul>	<ul><li>5-9 and 8-6 for making</li></ul>	Class work
C. Probability Outcomes	central tendency	list, table, and chart	
D 044-	<ul> <li>Calculate range, inter-</li> </ul>		Projects/oral presentations
D. Odds	quartile range and quartile	<ul> <li>PSSA Coach: Grade10</li> </ul>	
Counting Techniques	values		PSSA problems
E. Counting Techniques	Identify outliers	<ul> <li>PSSA Coach: Grade 11</li> </ul>	
F. Correlations	<ul> <li>Determine probabilities</li> </ul>	(pgs.23-107)	At the bell problems
F. Correlations	<ul> <li>Determine permutations,</li> </ul>		
G. Test-Taking Strategy: Make	combinations and apply the	<ul> <li>Study Island 8<sup>th</sup> grade</li> </ul>	Tests/quizzes
a list, table, chart	fundamental counting		41-
a list, table, chart	principle	<ul> <li>Compass online learning</li> </ul>	<ul> <li>Study Island 8<sup>th</sup> grade</li> </ul>
H. Test-Taking Strategy: Make	Make predications	tool	
predictions	Write an equation for the line		Kids College
prodictions	of best fit	<ul> <li>PSSA open-ended practice</li> </ul>	
I. Calculator Instruction TI-30	Use and apply applicable	questions	
and TI-84	vocabulary terms from the		
	PA Academic Standards for	Calculators	
	Mathematics Glossary		Dama diation
	(Appendix E)		Remediation
	Demonstrate standardized		Software
	test taking strategies and		• Tutoring
	skills		Video Clips
	Calculator: Use and apply		Re-teaching
	techniques for possible		Forialismont
	outcomes, combinations,		Enrichment
	and graphing data displays, entering lists		Internet/research activities
	entening lists		Group projects
			Teacher-driven assignments

Unit: Algebraic Concepts

Content Standard: Algebra and functions

**Concepts of calculus** 

State Curriculum S	Standard:
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2.8.8.F	Solve and graph equations and inequalities using scientific and graphing calculators and computer spreadsheets.
2.8.8.J	Show that an equality relationship between two quantities remains the same as long as the same change is made to both quantities; explain how a change in one quantity determines another quantity in a functional relationship.
2.8.11.A	Analyze a given set of data for the existence of a pattern and represent the pattern algebraically and graphically.
2.8.11.D	Formulate expressions, equations, inequalities, systems of equations, systems of inequalities and matrices to model routine and non-routine problem situations.
2.8.11.H	Select and use an appropriate strategy to solve systems of equations and inequalities using graphing calculators, symbol manipulators, spreadsheets and other software.
2.8.11.J	Demonstrate the connection between algebraic equations and inequalities and the geometry of relations in the coordinate plane.
2.8.11.K	Select, justify and apply an appropriate technique to graph a linear function in two variables, including slope-intercept, x- and y-intercepts, graphing by transformations and the use of a graphing calculator.
2.8.11.L	Write the equation of a line when given the graph of the line, two points on the line, or the slope of the line and a point on the line.
2.8.11.N	Solve linear, quadratic and exponential equations both symbolically and graphically.

Analyze properties and relationships of functions (e.g., linear, polynomial, rational, trigonometric, exponential, logarithmic).

ISTE Standard: 1 Basic Operations
2 Social, ethical, and human issues
3 Technology productivity tools
4 Technology communication tools
5 Technology research tools

6 Technology problem-solving and decision-making tools

Represent functional relationships in tables, charts and graphs.

#### **PSSA Anchor**:

2.8.11.Q 2.8.11.Q

2.8.11.S

2.11.8.B

M11.D.1.1.1	Analyze a set of data for the existence of a pattern and represent the pattern algebraically and/or graphically.
M11.D.1.1.2	Determine if a relation is a function given a set of points or a graph.
M11.D.1.1.3	Identify the domain, range or inverse of a relation (may be presented as ordered pairs or a table).
M11.D.2.1.1	Solve compound inequalities and/or graph their solution sets on a number line (may include absolute values).

Determine the domain and range of a relation, given a graph or set of ordered pairs.

Describe the concept of unit rate, ratio and slope in the context of rate of change.

M11.D.2.1.2 Identify or graph functions, linear equations, or linear inequalities on a coordinate plane.

M11.D.2.1.3	Write, solve and/or apply a linear equation (including problem situations).
M11.D.2.1.4	Write and/or solve systems of equations using graphing, substitution, and/or elimination (limit systems to 2 equations).
M11.D.2.1.5	Solve quadratic equations using factoring (integers only - not including completing the square or the Quadratic Formula).
M11.D.2.2.1	Add, subtract, and/or multiply polynomial expressions (express answers in simplest form - nothing larger than a binomial multiplied by a trinomial).
M11.D.2.2.2	Factor algebraic expressions, including difference of squares and trinomials (trinomials limited to the form ax^2+bx+c where a is not equal to 0).
M11.D.2.2.3	Simplify algebraic fractions.
M11.D.3.1.1	Identify, describe and/or use constant or varying rates of change.
M11.D.3.1.2	Determine how a change in one variable relates to a change in a second variable (e.g., $y = 4/x$ , if x doubles, what happens to y?).
M11.D.3.2.1	Apply the formula for the slope of a line to solve problems (formula given on reference sheet).
M11.D.3.2.2	Given the graph of the line, two points on the line, or the slope and a point on a line, write or identify the linear equation in point-slope, standard and/or slope intercept form.
M11.D.3.2.3	Compute the slope and/or y-intercept represented by a linear equation or graph.
M11.D.4.1.1	Match the graph of a given function to its table or equation.

Appendix: A - PA Grade 11 Math Assessment Anchor Checklist

B - Grade 11 PA Formula Sheet

**C - PA Academic Standards for Mathematics Glossary** 

D - PA Math Rubric

Pacing Guide: 30 days Algebra makes up 40% of PSSA

Course Content	Student Performance	Resources	Assessments
A. Patterns	Student will be able to:	Math Matters 2	Observations
	<ul> <li>Look for patterns.</li> </ul>	• Ch. 3	
B. Relations and Functions	<ul> <li>Determine if a relation is a</li> </ul>	• Ch. 6	<ul> <li>Homework</li> </ul>
	function.	• Ch. 8	
C. Distributive Property	<ul> <li>Identify domain and range</li> </ul>	• Ch. 9	<ul> <li>Class work</li> </ul>
<b>_</b>	and know multiple	• Ch. 12	
D. Linear Equations	meanings.	<ul><li>2-9 and 6-7 for TTS:</li></ul>	<ul> <li>Projects/oral presentations</li> </ul>
	<ul> <li>Graph solutions.</li> </ul>	patterns	
E. Linear Inequalities	<ul> <li>Use distributive and factor</li> </ul>	<ul> <li>1-5 and 12-3 for guess</li> </ul>	<ul> <li>PSSA problems</li> </ul>
E Batas of Change	by undoing	and check	
F. Rates of Change	distributive(GCF)	<ul> <li>4-2 for considering the</li> </ul>	<ul> <li>At the bell problems</li> </ul>
G. Slope	Solve compound	simpler case	
G. Slope	inequalities.		<ul> <li>Tests/quizzes</li> </ul>
H. Graphing	Solve systems of equations.	<ul> <li>PSSA Coach: Grade10</li> </ul>	
Tri. Graphing	<ul> <li>Solve quadratic equations.</li> </ul>		<ul> <li>Study Island 8<sup>th</sup> grade</li> </ul>
I. Polynomials	<ul> <li>Add, subtract and multiply</li> </ul>	PSSA Coach: Grade 11	
i. i diyildimale	polynomial expressions.	(pgs.23-107)	Kids College
J. Quadratic Functions	Factor polynomial		
	expressions.	<ul> <li>Study Island 8<sup>th</sup> grade</li> </ul>	
K. Exponential Functions	<ul> <li>Use rates of change.</li> </ul>		
<b>,</b>	<ul> <li>Apply the slope formula.</li> </ul>	<ul> <li>Compass online learning</li> </ul>	
L. Test-Taking Strategy	<ul> <li>Write the equation of a line</li> </ul>	tool	Dama diation
<ul><li>Pattern</li></ul>	in various forms.		Remediation
	<ul> <li>Match a graph to a given</li> </ul>	<ul> <li>PSSA open-ended practice</li> </ul>	• Software
M. Test-Taking Strategy	function.	questions	Tutoring
<ul> <li>Guess and check</li> </ul>	<ul> <li>Use and apply applicable</li> </ul>		Video Clips
	vocabulary terms from the	Calculators	Re-teaching
N. Test-Taking Strategy	PA Academic Standards for		For the Land and
<ul> <li>Consider the simpler</li> </ul>	Mathematics Glossary		<u>Enrichment</u>
case	(Appendix E).		Internet/research activities
	Demonstrate standardized		Group projects
	test taking strategies and		Teacher-driven assignments
	skills.		
	Calculator skill: graphing,		
	order of operations,		
	entering lists		