

**Correlation of Benchmarks and Courses**  
**Valley High School - Mathematics**

Standard/Benchmark	Math Topics 1 & 2	Algebra	Algebra II	Algebra II & Trig B	Algebra II & Trig C	Geometry A	Geometry B	Statistics	Trigonometry	Analytical Geometry & Functions B/C	Calculus AB/BC
a. Write algebraic expressions.		1	1	1	1	2	2	1	2	2	1
b. Evaluate algebraic expressions.		1	1	1	1	2	2	1	1	2	1
c. Solve for the given variable.		1	1	1	1	1	1	1	1	2	1
d. Use a formula to determine the area of a plane figure.		1	2	2	2	1	1		1	2	1
e. Use a formula to determine the volume of a solid figure.		2	2	2	2	1	1				1
f. Use a formula to determine the lateral area and total surface area of a figure.				2	2	1	1				1
g. Use deductive reasoning to make a valid conclusion.	1		2	2	2	1	2	1	2	2	1
h. Use divisibility rules and the ability to multiply and divide by powers of 10.		2	1	2	2		2				2
i. Use rounding and estimation.	2	2		2	2	1	2	1	1		2
j. Solve linear equations and inequalities.		1	1	1	1	2	1	2	1		1
k. Solve proportions.		1	1	2	2	1	1		1		1
l. Simplify rational expressions.		1	1	1	1	2	1			2	1
m. Simplify problems using order of operations.		1	1	1	1	2	2	1	1		1
n. Identify plane geometric figures by name.		2		2	2	1	1				2
o. Classify triangles by sides or angles.			2	1	1	1	1		1		
p. Identify and compute the angle relationships of parallel lines.				2	2	1	1				1
q. Collect and apply information from a graph.			2	2	2			1	1	2	1
r. Calculate the mean, median, and range.	2							1			
s. Analyze bar graphs.		2						2			
t. Use the Pythagorean relationship to solve problems.		1	2	2	2	1	1		1	2	1
u. Use a proportion to solve a problem.	2		1	2	2	1	1	2	1		1
v. Select and use a formula to find area, surface area, and volume.			2	2	2	1	1		2	2	1
w. Understand functional notation.			1	2	2					1	1

1 = Strong Linkage

2 = Partial Linkage

Blank = Little or no Linkage