

Algebra 2 – Trigonometry Unit

<u>Section</u>	<u>Topics</u>	<u>Assignment</u>
Special Triangles	45-45-90 Triangle Relationships 30-60-90 Triangle Relationships	Special Triangles Worksheet
Sine/Cosine/Tangent	Solving Right Triangles	"Halloween"/"Mind Reader" Worksheet
Inverse Trigonometry	Finding Angles in Right Triangles	"Daffynition" Worksheet
Math Techbook Investigation #1	Angles in the Coordinate Plane - initial side - terminal side - co-terminal angles - reference angles - positive vs. negative angles	Investigation #1– Check for Understanding
Math Techbook Investigation #1		Investigation #1 Electronic Submission: - Reference Angles 1-2 - Challenge 1-4 500, -485, 910 degrees
Math Techbook Investigation #2	Radians	Investigation #2 – Check for Understanding
Math Techbook Investigation #3	Label Radian measurements on Unit Circle	Investigation #3 – Check for Understanding
Math Techbook Investigation #4	- Convert Radians to Degrees - Convert Degrees to Radians	Investigation #4 – Check for Understanding
Math Techbook Investigation #5	Arc Length = $r\theta$	No HW
	<u>Quiz</u>	
13-3	Evaluating Trig. Expressions on the unit circle	- Pg. 947/ 10, 13, 28, 29 - Pg. S28/ 34-39, 42-48 (even) - Unit Circle Worksheet
13-4	Evaluating Inverse Trig. Expressions on the unit circle Capital Letter vs. Lower Case Letter	Pg. 953/ 2-10
14-1, 14-2	Transformations of Sine/Cosine/Tangent Graphs - period - phase shift - vertical shift - amplitude	- Sine/Cosine/Tangent Trig. Graphs/Table Worksheet - Pg. 995/ 5, 6, 8, 9, 26, 28, 34-36 - Pg. 1001/ 2, 39
Review		- Pg. 976/5-8, 10-18 (even), 26-30(even), 31, 32, 37, 39-41, 43-47 - Pg. 1036/ 8, 9, 11, 19
	<u>Test</u>	