

MCF 3MI – Trigonometry Assignment

Name: _____

Achievement Category	Level 1	Level 2	Level 3	Level 4
Application	The student:			
Makes connections among mathematical concepts and procedures and relates concepts to real world contexts	<ul style="list-style-type: none"> - demonstrates limited connections when using trig ratios to solve for unknown angles and/or sides in right angle triangles in real world contexts - demonstrates limited connections when using sine law to solve for unknown angles and/or sides in acute triangles in real world contexts - demonstrates limited connections when using cosine law to solve for unknown angles and/or sides in acute triangles in real world contexts 	<ul style="list-style-type: none"> - demonstrates some connections when using trig ratios to solve for unknown angles and/or sides in right angle triangles in real world contexts - demonstrates some connections when using sine law to solve for unknown angles and/or sides in acute triangles in real world contexts - demonstrates some connections when using cosine law to solve for unknown angles and/or sides in acute triangles in real world contexts 	<ul style="list-style-type: none"> - demonstrates considerable connections when using trig ratios to solve for unknown angles and/or sides in right angle triangles in real world contexts - demonstrates considerable connections when using sine law to solve for unknown angles and/or sides in acute triangles in real world contexts - demonstrates considerable connections when using cosine law to solve for unknown angles and/or sides in acute triangles in real world contexts 	<ul style="list-style-type: none"> - demonstrates a high degree of connections when using trig ratios to solve for unknown angles and/or sides in right angle triangles in real world contexts - demonstrates a high degree of connections when using sine law to solve for unknown angles and/or sides in acute triangles in real world contexts - demonstrates a high degree of connections when using cosine law to solve for unknown angles and/or sides in acute triangles in real world contexts
Thinking	The student:			
Reflects and monitors thinking to judge reasonableness of answers and verify solutions	<ul style="list-style-type: none"> - monitors thinking and verifies solutions with limited effectiveness 	<ul style="list-style-type: none"> - monitors thinking and verifies solutions with some effectiveness 	<ul style="list-style-type: none"> - monitors thinking and verifies solutions with considerable effectiveness 	<ul style="list-style-type: none"> - monitors thinking and verifies solutions with a high degree of effectiveness
Communication	The student:			
Communicates thinking using precise math vocabulary and observing math conventions	<ul style="list-style-type: none"> - uses conventions, vocabulary, and terminology with limited effectiveness 	<ul style="list-style-type: none"> - uses conventions, vocabulary, and terminology with some effectiveness 	<ul style="list-style-type: none"> - uses conventions, vocabulary, and terminology with considerable effectiveness 	<ul style="list-style-type: none"> - uses conventions, vocabulary, and terminology with a high degree of effectiveness