

Name: _____

Date: _____

Chapter 4 Problem Wrap-Up Rubric**BLM 4-14****(page 1)**

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> • Determines coordinates of points • Determines angle measures or distances using trigonometric ratios • Determines angle measures or distances using the sine law • Determines angle measures or distances using the cosine law 	<ul style="list-style-type: none"> • Demonstrates limited understanding of how to determine the coordinates of points • Demonstrates limited understanding of how to determine angle measures or distances using trigonometric ratios • Demonstrates limited understanding of how to determine angle measures or distances using the sine law • Demonstrates limited understanding of how to determine angle measures or distances using the cosine law 	<ul style="list-style-type: none"> • Demonstrates some understanding of how to determine the coordinates of points • Demonstrates some understanding of how to determine angle measures or distances using trigonometric ratios • Demonstrates some understanding of how to determine angle measures or distances using the sine law • Demonstrates some understanding of how to determine angle measures or distances using the cosine law 	<ul style="list-style-type: none"> • Demonstrates considerable understanding of how to determine the coordinates of points • Demonstrates considerable understanding of how to determine angle measures or distances using trigonometric ratios • Demonstrates considerable understanding of how to determine angle measures or distances using the sine law • Demonstrates considerable understanding of how to determine angle measures or distances using the cosine law 	<ul style="list-style-type: none"> • Demonstrates thorough understanding of how to determine the coordinates of points • Demonstrates thorough understanding of how to determine angle measures or distances using trigonometric ratios • Demonstrates thorough understanding of how to determine angle measures or distances using the sine law • Demonstrates thorough understanding of how to determine angle measures or distances using the cosine law
Thinking <ul style="list-style-type: none"> • Prepares a plan to solve the problem • Carries out the plan 	<ul style="list-style-type: none"> • Needs extensive assistance to begin organizing a plan, and needs some steps to follow 	<ul style="list-style-type: none"> • Needs some assistance to organize and implement an effective strategy 	<ul style="list-style-type: none"> • Needs minimal assistance to organize and implement an effective strategy 	<ul style="list-style-type: none"> • Needs no assistance to organize and implement an effective strategy



Name: _____

Date: _____

BLM 4-14
(page 2)

Categories	Level 1	Level 2	Level 3	Level 4
<p>Communication</p> <ul style="list-style-type: none"> Clearly explains and fully justifies solution Correctly uses mathematical language Clearly labels and accurately draws diagrams 	<ul style="list-style-type: none"> Does not clearly explain or justify solution Uses limited mathematical form Uses limited labelling on diagrams that are minimally accurate 	<ul style="list-style-type: none"> Explains or justifies the solution somewhat Uses minimal mathematical form Uses some labelling on diagrams that are somewhat accurate 	<ul style="list-style-type: none"> Explains or justifies the solution fully Uses good mathematical form Uses considerable labelling on diagrams that are considerably accurate 	<ul style="list-style-type: none"> Explains, justifies, and shows insight into the complexities of the solution Uses excellent mathematical form Diagrams are thoroughly labelled and highly accurate
<p>Application</p> <ul style="list-style-type: none"> Creates a multi-step problem Creates a problem that involves a majority of the trigonometric relationships (trigonometric ratios, sine law, cosine law, trigonometric identities) 	<ul style="list-style-type: none"> Problem involves only one step Problem involves minimal trigonometric relationships 	<ul style="list-style-type: none"> Problem involves one or two steps Problem involves two trigonometric relationships 	<ul style="list-style-type: none"> Problem involves two or three steps Problem involves three trigonometric relationships 	<ul style="list-style-type: none"> Problem involves three or more steps Problem involves majority of trigonometric relationships

