

Name: _____

Date: _____

Chapter 2 Problem Wrap-Up Rubric**BLM 2-14**

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Understands how the mathematical concepts relate to civil engineering 	<ul style="list-style-type: none"> Demonstrates limited understanding of how the mathematical concepts relate to civil engineering 	<ul style="list-style-type: none"> Demonstrates some understanding of how the mathematical concepts relate to civil engineering 	<ul style="list-style-type: none"> Demonstrates considerable understanding of how the mathematical concepts relate to civil engineering 	<ul style="list-style-type: none"> Demonstrates thorough understanding of how the mathematical concepts relate to civil engineering
Thinking <ul style="list-style-type: none"> Prepares a plan to research the information 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 research strategy 	<ul style="list-style-type: none"> Needs minimal assistance to organize and implement an effective research strategy 	<ul style="list-style-type: none"> Needs no assistance to organize and implement an effective research strategy
Communication <ul style="list-style-type: none"> Clearly explains and describes the required information 	<ul style="list-style-type: none"> Does not clearly explain or describe the required information 	<ul style="list-style-type: none"> Explains or describes the required information with some clarity 	<ul style="list-style-type: none"> Explains or describes the required information with considerable clarity 	<ul style="list-style-type: none"> Clearly and effectively conveys all the required information and includes additional accurate information
Application <ul style="list-style-type: none"> Connects mathematical modelling to the field of civil engineering 	<ul style="list-style-type: none"> Has limited understanding of the connection between mathematical modelling and the field of civil engineering 	<ul style="list-style-type: none"> Has some understanding of the connection between mathematical modelling and the field of civil engineering 	<ul style="list-style-type: none"> Has considerable understanding of the connection between mathematical modelling and the field of civil engineering 	<ul style="list-style-type: none"> Has thorough understanding of the connection between mathematical modelling and the field of civil engineering

