

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Section 5.3 Achievement Check Rubric****BLM 5-8**

| Categories   | Level 1   | Level 2  | Level 3  | Level 4  |
|--|---|--|--|--|
| <b>Knowledge and Understanding</b> <ul style="list-style-type: none"> <li>Determines the amplitude, period, phase shift, and vertical shift</li> </ul>                                     | <ul style="list-style-type: none"> <li>Demonstrates limited understanding of how to determine the amplitude, period, phase shift, and vertical shift</li> </ul>                 | <ul style="list-style-type: none"> <li>Demonstrates some understanding of how to determine the amplitude, period, phase shift, and vertical shift</li> </ul>                   | <ul style="list-style-type: none"> <li>Demonstrates considerable understanding of how to determine the amplitude, period, phase shift, and vertical shift</li> </ul> | <ul style="list-style-type: none"> <li>Demonstrates thorough understanding of how to determine the amplitude, period, phase shift, and vertical shift</li> </ul>                       |
| <b>Thinking</b> <ul style="list-style-type: none"> <li>Prepares a plan to solve the problem</li> <li>Carries out the plan</li> </ul>   | <ul style="list-style-type: none"> <li>Needs extensive assistance to organize a plan and needs some steps to follow</li> </ul>  | <ul style="list-style-type: none"> <li>Needs some assistance to organize and implement an effective strategy</li> </ul>  | <ul style="list-style-type: none"> <li>Needs minimal assistance to organize and implement an effective strategy</li> </ul>   | <ul style="list-style-type: none"> <li>Needs no assistance to organize and implement an effective strategy</li> </ul>  |
| <b>Communication</b> <ul style="list-style-type: none"> <li>Clear explanations and justifications</li> <li>Correct use of mathematical language</li> <li>Clearly labelled graph</li> </ul> | <ul style="list-style-type: none"> <li>Does not clearly explain or justify solution</li> <li>Uses limited mathematical form</li> <li>Uses limited labelling on graph</li> </ul> | <ul style="list-style-type: none"> <li>Explains or justifies the solution somewhat</li> <li>Uses minimal mathematical form</li> <li>Uses minimal labelling on graph</li> </ul> | <ul style="list-style-type: none"> <li>Explains or justifies the solution fully</li> <li>Uses good mathematical form</li> <li>Graph is well labelled</li> </ul>      | <ul style="list-style-type: none"> <li>Explains or justifies the solution thoroughly</li> <li>Uses excellent mathematical form</li> <li>Graph is fully and clearly labelled</li> </ul> |
| <b>Application</b> <ul style="list-style-type: none"> <li>From parameters in equation to graphing</li> </ul>   | <ul style="list-style-type: none"> <li>Has limited understanding of how to use the parameters in the equation to sketch the graph</li> </ul>                                    | <ul style="list-style-type: none"> <li>Has some understanding of how to use the parameters in the equation to sketch the graph</li> </ul>                                      | <ul style="list-style-type: none"> <li>Has considerable understanding of how to use the parameters in the equation to sketch the graph</li> </ul>                    | <ul style="list-style-type: none"> <li>Has thorough understanding of how to use the parameters in the equation to sketch the graph</li> </ul>  |

