

## Section 6.5 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
<b>Knowledge and Understanding</b> <ul style="list-style-type: none"> <li>• Finds the radius of the circular berm.</li> </ul>	Needs to be given the geometric formulas and solves for the variable with major errors.	Needs some assistance to produce the necessary geometric formulas and solves for the variable with minor errors.	Produces the necessary geometric formulas and correctly solves for the variable.	Produces the necessary geometric formulas and correctly solves for the variable.
<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>	Needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow.	Needs some assistance to begin organizing a plan and needs some steps to follow.	Needs minimal assistance to organize and implement an effective strategy.	Needs no assistance to organize and implement an effective strategy.
<b>Communication</b> <ul style="list-style-type: none"> <li>• Clear explanations and full justifications.</li> <li>• Correct use of mathematical language.</li> </ul>	Does not clearly explain or justify solution. Maintains the correct units in some of the solution.	Explains and justifies solution somewhat. Maintains the correct units throughout most of the solution.	Explains and justifies solution fully. Maintains the correct units throughout the solution.	Explains, justifies and shows insight into the complexities of the solution. Maintains the correct units throughout the solution.
<b>Application</b> <ul style="list-style-type: none"> <li>• Compares circumference of the circular berm to the perimeter of the rectangular berm.</li> </ul>	Interprets the information ineffectively and has difficulty making comparisons.	Interprets the information somewhat effectively and has some difficulty making comparisons.	Interprets the information with considerable effectiveness and has little difficulty making comparisons.	Interprets the information with a high degree of effectiveness and has no difficulty making comparisons.