

**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>Recognize linear, quadratic, and exponential models by examining tables of values and graphs.</li> </ul>	Demonstrates limited understanding of algebraic models.	Demonstrates some understanding of algebraic models.	Demonstrates considerable understanding of algebraic models.	Demonstrates thorough understanding of algebraic models.
<b>Thinking</b> <ul style="list-style-type: none"> <li>Prepare a plan to solve the problem.</li> <li>Carry 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 and conventions.</li> </ul>	Does not clearly explain or justify linear models. Uses correct mathematical language and conventions in some of the solution.	Explains and justifies linear models somewhat. Uses correct mathematical language and conventions throughout most of the solution.	Explains and justifies linear models fully. Uses correct mathematical language and conventions throughout the solution.	Explains, justifies, and shows insight into the different algebraic models. Uses correct mathematical language and conventions throughout the solution.
<b>Application</b> <ul style="list-style-type: none"> <li>Apply knowledge of algebraic models to given data.</li> </ul>	Interprets the data ineffectively and has difficulty drawing conclusions.	Interprets the data somewhat effectively and has difficulty drawing conclusions.	Interprets the data with considerable effectiveness and has little difficulty drawing conclusions.	Interprets the data with a high degree of effectiveness and has no difficulty drawing extensive conclusions.

