

Chapter 5 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	<ul style="list-style-type: none"> demonstrates limited knowledge of constructing tables, graphs, and equations from a context, and of slope and first differences 	<ul style="list-style-type: none"> demonstrates some knowledge of constructing tables, graphs, and equations from a context, and of slope and first differences 	<ul style="list-style-type: none"> demonstrates considerable knowledge of constructing tables, graphs, and equations from a context, and of slope and first differences 	<ul style="list-style-type: none"> demonstrates a thorough knowledge of constructing tables, graphs, and equations from a context, and of slope and first differences
Thinking	<ul style="list-style-type: none"> uses planning and critical thinking processes with limited effectiveness 	<ul style="list-style-type: none"> uses planning and critical thinking processes with some effectiveness 	<ul style="list-style-type: none"> uses planning and critical thinking processes with considerable effectiveness (e.g., has an organized plan to create pattern equations) 	<ul style="list-style-type: none"> uses planning and critical thinking processes with a high degree of effectiveness (e.g., has a detailed, organized plan to create pattern equations)
Communication	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with limited effectiveness uses mathematical vocabulary and notation with limited effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with some effectiveness uses mathematical vocabulary and notation with some effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with considerable effectiveness uses mathematical vocabulary and notation with considerable effectiveness (e.g., expresses solution using good mathematical form) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with a high degree of effectiveness uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., expresses solution using excellent mathematical form, detailing all steps with justification)
Application	<ul style="list-style-type: none"> applies knowledge of equation creation to this context with limited effectiveness 	<ul style="list-style-type: none"> applies knowledge of equation creation to this context with some effectiveness 	<ul style="list-style-type: none"> applies knowledge of equation creation to this context with considerable effectiveness (e.g., chooses correct equation solving steps) 	<ul style="list-style-type: none"> applies knowledge of equation creation to this context with a high degree of effectiveness (e.g., chooses correct equation solving steps for an efficient solution)