

Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	<ul style="list-style-type: none"> demonstrates limited knowledge and understanding of how to find perimeter and add polynomials. 	<ul style="list-style-type: none"> demonstrates some knowledge and understanding of how to find perimeter and add polynomials 	<ul style="list-style-type: none"> demonstrates considerable knowledge and understanding of how to find perimeter and add polynomials 	<ul style="list-style-type: none"> demonstrates thorough knowledge and understanding of how to find perimeter and add polynomials
Thinking	<ul style="list-style-type: none"> uses limited planning skills (e.g., guesses) uses processing skills with limited effectiveness (e.g., provides limited reasoning or justification) uses critical-thinking processes with limited effectiveness [e.g., is unable to start solving parts e) and f)] 	<ul style="list-style-type: none"> uses some planning skills (e.g., provides some evidence of a plan) uses processing skills with some effectiveness (e.g., provides some evidence of reasoning or justification) uses critical-thinking processes with some effectiveness [e.g., makes some attempt to solve parts e) and f)] 	<ul style="list-style-type: none"> uses considerable planning skills (e.g., provides considerable evidence of a plan) uses processing skills with considerable effectiveness (e.g., provides considerable evidence of reasoning or justification) uses critical-thinking processes with considerable effectiveness [e.g., creates an appropriate process for solving parts e) and f)] 	<ul style="list-style-type: none"> uses planning skills with a high degree of effectiveness (e.g., provides detailed evidence of a plan) uses processing skills effectively (e.g., provides detailed evidence of reasoning or justification) uses critical-thinking processes with a high degree of effectiveness [e.g., creates a clear effective process for solving parts e) and f)]
Communication	<ul style="list-style-type: none"> prepares a simple report, making a few reasonable statements, with some assistance infrequently uses some mathematical symbols and vocabulary correctly explanations and justifications are partially understandable (e.g., states expressions for perimeter with considerable assistance) 	<ul style="list-style-type: none"> prepares a report, making some reasonable statements, with limited assistance uses correct mathematical symbols and vocabulary some of the time explanations and justifications are partially understandable (e.g., states expressions for perimeter with some assistance) 	<ul style="list-style-type: none"> prepares a report, making reasonable statements, without assistance uses correct mathematical symbols and vocabulary with few minor errors explanations and justifications are clear [e.g., states expressions for perimeter and makes reasonable conclusions concerning e) and f) with little assistance] 	<ul style="list-style-type: none"> prepares a complete, detailed, insightful report uses mathematical symbols and vocabulary correctly and creatively explanations and justifications are particularly clear and detailed [e.g., states expressions for perimeter and makes detailed conclusions concerning e) and f) without assistance]
Application	<ul style="list-style-type: none"> applies knowledge and skills in familiar contexts with limited effectiveness (e.g., finding perimeters) transfers knowledge of skills to new context with limited effectiveness (e.g., adding and subtracting polynomials) 	<ul style="list-style-type: none"> applies knowledge and skills in familiar contexts with some effectiveness (e.g., finding perimeters) transfers knowledge of skills to new context with some effectiveness (e.g., adding and subtracting polynomials, solving a first-degree equation) 	<ul style="list-style-type: none"> applies knowledge and skills in familiar contexts with considerable effectiveness (e.g., finding perimeters) transfers knowledge of skills to new context with considerable effectiveness (e.g., adding and subtracting polynomials, solving a first-degree equation) 	<ul style="list-style-type: none"> applies knowledge and skills in familiar contexts with a high degree of effectiveness (e.g., finding perimeters) transfers knowledge of skills to new context with a high degree of effectiveness (e.g., adding and subtracting polynomials, solving a first-degree equation)