

Section 6.1 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Simplify algebraic expressions using exponent laws. Evaluate numerical expressions. 	Demonstrates limited understanding of exponent laws and arithmetic simplification.	Demonstrates some understanding of exponent laws and arithmetic simplification.	Demonstrates considerable understanding of exponent laws and arithmetic simplification.	Demonstrates thorough understanding of exponent laws and arithmetic simplification.
Thinking <ul style="list-style-type: none"> Prepare a plan to solve the problem. Carry out the plan. 	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.
Communication <ul style="list-style-type: none"> Clear explanations and full justifications. Correct use of mathematical conventions. 	Does not clearly explain or justify choice of preferred method. Uses correct mathematical conventions in some of the solution.	Explains and justifies choice of preferred method somewhat. Uses correct mathematical conventions throughout most of the solution.	Explains and justifies choice of preferred method fully. Uses correct mathematical conventions throughout the solution.	Explains, justifies, and shows insight into the choice of preferred method. Uses correct mathematical conventions throughout the solution.
Application <ul style="list-style-type: none"> Apply exponent laws to given expressions. 	Applies exponent laws ineffectively and has difficulty comparing solution methods.	Applies exponent laws somewhat effectively and has some difficulty comparing solution methods.	Applies exponent laws with considerable effectiveness and has little difficulty comparing solution methods.	Applies exponent laws with a high degree of effectiveness and compares solution methods thoroughly.

