

Section 6.2 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Evaluate numerical expressions involving exponents. Solve equations involving exponents. 	Demonstrates limited understanding of manipulating expressions involving exponents.	Demonstrates some understanding of manipulating expressions involving exponents.	Demonstrates considerable understanding of manipulating expressions involving exponents.	Demonstrates thorough understanding of manipulating expressions involving exponents.
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 of steps in solutions. Correct use of mathematical conventions. 	Does not clearly explain or justify solution steps. Uses correct mathematical conventions in some of the solution.	Explains and justifies solution steps somewhat. Uses correct mathematical conventions throughout most of the solution.	Explains and justifies solution steps fully. Uses correct mathematical conventions throughout the solution.	Explains, justifies, and shows insight into the most efficient solution steps. Uses correct mathematical conventions throughout the solution.
Application <ul style="list-style-type: none"> Apply knowledge of exponents and equation solving. 	Manipulates the equation ineffectively and has difficulty finding solutions.	Manipulates the equation somewhat effectively and has difficulty finding solutions.	Manipulates the equation with considerable effectiveness and has little difficulty finding solutions.	Manipulates the equation with a high degree of effectiveness and has no difficulty finding solutions.

