Mathematical Writing to Inform Rubric

Criteria	Score Point 4	Score Point 3	Score Point 2	Score Point 1
Information about Problem/ Mathematical Process	• well developed • thoroughly informs reader about problem/process • mathematical process clearly presented w/lots of mathematical support	• fairly well developed • informs reader about problem/process • mathematical process clearly presented w/ mathematical support	• little development • minimal information about problem/process • mathematical process not clearly presented w/ little mathematical support	• little written • confusing or inaccurate
Mathematical Details	• plenty of specific numerical details that thoroughly explain topic	• some specific mathematical details that adequately explain topic	• numerical details given, but either wrong details or do not help explain topic	• numerical details not given
Organization/ Audience	• clearly organized all the way through • uses many signal words (first, next, etc.) • all paragraphs have topic sentences	• organized most of the way through • uses some signal words (first, next, etc.) • most paragraphs have topic sentences	• little organization • few signal words used (first, next, etc.) • few paragraphs have topic sentences	• no organization evident • no signal words used • no topic sentences
Use of Mathematical Terminology	• lots of mathematical terminology correctly used	• mathematical terminology correctly used	• some mathematical terminology, but not correctly used	• no mathematical terminology
Connections to Math Knowledge	• reasoning thoroughly connected to mathematical knowledge (definitions, laws, properties, etc.)	• reasoning connected to mathematical knowledge (definitions, laws, properties, etc.)	• did not correctly connect reasoning to mathematical knowledge	• no attempt to connect reasoning to mathematical knowledge