WHW Grading Rubric

Key Elements	2 Points	1 Points	0 Points
Reflection	Reflection is relevant and	Reflection is vague and non-	Reflection does not exist.
	detailed.	specific.	
Problem	Proper use of the four -step	The four-step method is used	The four-step method is not
solving	problem solving method is used	on some but not all	used at all, or it is used
strategy	on all non-conceptual question	problems, or it is used but	incorrectly.
	problems	not laid out clearly	-
Physics	Key ideas were correctly	Some key ideas were	No key ideas identified, or
concepts	identified for each problem, no	identified but not all, a few	many unrelated concepts were
	unrelated ideas were identified as	unrelated concepts were	included along with the key
	"key ideas"	listed as key ideas.	ideas
Physics	Appropriate equations were used	Appropriate equations were	Appropriate equations were
applications	for each step.	used more often than not, but	never or rarely used.
		not always.	
Math	No major mathematical	Minor or occasional	Evidence of clear
	misconceptions or arithmetic	arithmetic errors, no major	mathematical misconceptions,
	errors	mathematical	major or frequent arithmetic
		misconceptions	mistakes.
Assessments	Assessments are generally well-	Assessments are missing a	No assessment attempt was
	reasoned and include a unit check	unit check or does not use an	made or the assessment
	and at least one of the four	appropriate strategy.	reasoning is nonsensical or
	strategies: using physical intuition		circular.
	and familiar values, solving the		
	same problem a different way,		
	evaluating the formula, examining		
	the extremes.		