

**YTC Critical Thinking Rubric
(Math Department)**

	Advanced – 4	Competent – 3	Developing – 2	Elementary – 1	Score _____
Identify	Identifies all of the applicable variables	Identifies most of the applicable variables	Identifies 50% of the applicable variables	Does not identify the applicable variables	
Gather	Gathers all of the pertinent data and recognizes any extraneous data.	Gathers all of the pertinent data.	Gathers 50% of the pertinent data.	Gathers less than half of the pertinent data.	
Examine	Recognizes all of the relationships among the applicable variables.	Recognizes most of the relationships among the applicable variables.	Recognizes 50% of the relationships among the applicable variables.	Does not recognize the relationships among the applicable variables.	
Formulate	Develops an equation, a formula, or a pattern that relates to the problem.	Develops an equation, a formula, or a pattern but includes something that does not relate to the problem.	Recognizes the relationships but does not develop an equation, a formula, or a pattern.	Does not recognize the relationships and does not develop an equation, a formula, or a pattern.	
Apply	Applies a plan by using an equation, a formula, or a pattern correctly.	Applies a plan with one minor error.	Applies a plan with 2 or more minor errors	Does not apply a plan.	
Evaluate	Checks work for errors. Determines if the solution is reasonable and answers the questions asked.	Doesn't complete the process. Example: leaves off units or rounds incorrectly, or answers questions inappropriately.	Answers incorrectly and does not check the results.	Achieves unreasonable results.	