Part a) Correct Solution YES NO

Criteria	4	3	2	1
	Attribute(s) of concept(s)	Attribute(s) of concept(s)	Attribute(s) of concept(s)	Attribute(s) of concept(s)
Part b)	Correctly identifies attributes	Correctly identifies attributes	Identifies some of the	Lacks identification of any of
	of the problem, which leads	of the problem, which leads	attributes of the problem,	the critical attributes of the
Conceptual Knowledge	to correct inferences.	to correct inferences.	which leads to partially	problem.
	Inferences	Inferences	correct inferences.	
	Combines the critical	Combines the critical	Inferences	Inferences
	attributes of the problem in	attributes of the problem,	Combines the identified	Combines few of the
	order to correctly describe the	which leads to a partial	attributes of the problem,	attributes of the problem
	mathematical relationship(s)	identific ation of the	which leads to a partial	which leads to an incomplete
	inherent in the problem.	mathematical relationship(s)	identification of the	identification of the
		inherent in the problem.	mathematical relationship(s)	mathematical relationship(s)
			inherent in the problem.	inherent in the problem.
	Appropriate strategy	Appropriate strategy	Appropriate strategy	Appropriate strategy
Part c)	Selects and implements an	Selects and implements an	Selects and implements an	Selects and implements an
	appropriate strategy.	appropriate strategy.	appropriate strategy.	inappropriate strategy.
	<b>Representational form</b>	Representational form	Representational form	<b>Representational form</b>
	Uses appropriate	Uses appropriate	Uses inconsistent or	Uses incorrect
Procedural Knowledge	representation to connect the	representation to connect the	insufficient representation for	representations.
	procedure to the concept of	procedure to the concept of	the selected solution strategy.	Algorithmic competency
	the problem.	the problem.	Algorithmic competency	Makes significant errors.
	Algorithmic competency	Algorithmic competency	Implements selected	
	Correctly implements	Implements selected	procedure but arrives at an	
	procedure to arrive at a	procedure but arrives at an	incorrect or correct solution.	
	correct solution.	incorrect solution.	(See Part a above)	
	Justification	Justification	Justification	Justification
Part d)	Fully answers the question of	Fully answers the question of	Incompletely answers the	Provides very little or no
	"why" for the strategy	"why" for the strategy	question of "why" for the	explanation of what was done
	selection; explains procedure;	selection; explains procedure;	strategy selection; explains	and why.
	and/or evaluates	and/or evaluates	procedure; and/or evaluates	Terminology
Communication	reasonableness of solution.	reasonableness of solution.	reasonableness of solution.	Uses limited or inappropriate
	Terminology	Terminology	Terminology	terminology or notation.
	Uses appropriate terminology	Uses some appropriate	Uses some appropriate	
	and notation.	terminology or notation.	terminology or notation.	
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