

MA 110-91 §1.1 – 1.3	<b>Quiz #1</b>	score	Name: _____ 25 January 2003
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1. Use a properly labeled Venn diagram to determine the validity of the following argument. State whether the argument is VALID or INVALID. Explain. (7 points)

1. All children are cute.
2. Timmy is cute.

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Therefore, Timmy is a child.

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2. What pattern do you see in the numerical sequence 1, 2, 5, 10, 17 ? What do you think the most likely next two numbers are? Explain. (6 points)

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3. Compute the truth table for the logical expression  $(p \vee q) \rightarrow (p \wedge q)$ . (7 points)