

LEMOYNE-OWEN COLLEGE
DIVISION OF NATURAL SCIENCES, MATHEMATICS AND COMPUTER SCIENCE

MATH 120
Valerie Chu, Ph.D.

Thursday
July 11, 2002

Quiz 1

Show your work

Name: _____

For Problems 1 and 2, decide whether each of them is an example of **inductive** or **deductive** reasoning.

1. Natalie's first three children were boys. If she has another baby, it will be a boy.

2. _____
All word processors will type the symbol @. I have a word processor. I can type the symbol @.

3. Use the method of successive differences to find the next term in the sequence.

3, 14, 31, 54, 83, 118,.....

4. $1+2+3+4+\dots+80=$ _____

5. $1+3+5+7+9+\dots+201=$ _____

6. $1^3 + 2^3 + 3^3 + \dots + 50^3 =$ _____

