IB Math HL 2 Name Period

Mathematical Induction Quiz Form Make Up **No Calculator**

Show each step of Mathematical Induction using proper notations. Unclear work will result no credit.

1. Suppose ,  .
2. Find  with positive exponent. [2]
3. Using mathematical induction, prove  where  for  is all positive integer greater than 2. [5]

2. Let , .

a. Find . [1]

b. Find [2]

b. Prove by math induction,  for . [5 pts]