Inductive and Deductive Reasoning  Bell Work

1. In mathematics, induction means:
   a. If a statement is true in one step, it will be false in the next steps.
   b. If a statement is false in one step, it will be true in the next steps.
   c. If a statement is true in one step, it will be true in the next steps.
   d. None of these

2. In mathematics, deduction means:
   a. To conclude a statement from a true statement.
   b. To conclude a statement from a statement that is known to be true or assumed to be true.
   c. To conclude a statement from a false statement.
   d. None of these

3. The term logic in mathematics is:
   a. a set of mathematical disciplines
   b. a set of algebra terms
   c. both a and b
   d. None of these

4. Which of these is not a type of reasoning in mathematics?
   a. Inductive Reasoning
   b. Deductive Reasoning
   c. Statistical Reasoning
   d. None of these