

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