

Name: \_\_\_\_\_

**Reading Questions**

1. Give an example of a failure of inductive reasoning.
2. Why is inductive reasoning valuable in mathematics?
3. How is mathematical induction different from inductive reasoning?
4. Give an example of an implication that is true but whose conclusion is false. (See “How To Think About It” box, p 49.)
5. What struck you? What is unclear to you in this reading? What questions do you have?