Part A Instructions: Choose the option that completes the sentence or answers the question.

1. A theorem is a logical consequence of:
   a. Hypothesis  
   b. Axioms  
   c. proofs  
   d. None

2. Which one of these is an essential part of a two-column proof:
   a. reasons  
   b. statements  
   c. both a and b  
   d. None

3. Which one of these is the most common way of proving theorems?
   a. Flow-chart proof  
   b. Two-column proof  
   c. Paragraph proof  
   d. All of these

4. There are ________ steps being followed while writing a two column proof:
   a. 3  
   b. 4  
   c. 2  
   d. 5

5. The two types of proofs are:
   a. Direct and indirect proofs  
   b. Conventional and non-conventional proofs  
   c. Both a and b  
   d. None

Part B Instructions: Answer the question below.

1. Explain the difference between direct and indirect proofs.

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