

General Assignment Expectations

This resource provides an overview of the common expectations for written mathematical work in MATH 1200. The guidelines emphasize clear communication, logical reasoning, complete justification of claims, and effective problem-solving practices that support success on two-pass assignments and proof-based assessments.

General Guidelines	
• The discussion begins with an explanation of the problem. • The explanation should convince the reader that the meaning of the question is understood (e.g., small examples, a clearly labeled table of data, and/or a discussion of the meaning of the question). • Diagrams, tables, or images are drawn to aid the reader in understanding the problem are well-labeled and well-explained. • Clear statements are made of conjectures that are believed to be true. • Explanations of why those conjectures are true, with complete justification, are included. • An explanation of how the problem solving proceeded is clear from the explanation. • The entries consist of writing that is clear and grammatically correct. • A conclusion about the solution to the problem is reached.	
Common Criteria	
Demonstrates clear understanding of the question/problem	• Exhibited within a proof, or through problem solving techniques before a conjecture is made • Problem solving techniques may include observations, examples, pictures, tables, etc. • Explanations using complete sentences must demonstrate your understanding of the question/problem
Communication and reasoning	• Use of complete sentences to correctly indicate the hypothesis and the conclusion that you are proving • Applications of correct and complete definitions and theorems/exercises proved in class material

	• Connections made between these facts and other calculations or strategies you employ
Clear explanation and justification	• Justify completely every claim or observation you make within your proof. • Marks will be deducted for each gap in your proof.