Examlet 6 Rubrics

Table 1: Proof by contradiction (9 points)

Criteria	Mastered (3)	Proficient (2)	Novice (1)	Absent (0)
Formation and use of the negation	proof begins with correctly negated claim and the next step follows from that negation	proof does not clearly state the negated claim	large issue with negation or next step does not exactly follow from negation	not a proof by contradiction
Criteria	**Mastered (2)**	**Proficient (1)**	**Novice (0)**	
Contradiction	proof concludes with a clear contradiction	proof concludes with a contradiction but it is not entirely clear	proof does not end with a valid contradiction	
Definitions and details	key concept definitions are stated correctly when necessary (rational, irrational, etc.) and other details (algebra) correct	minor error in definitions or algebra	major error in definitions or algebra	
Style and clarity	easy to follow	argument slightly hard to follow	proof hard to follow	

Table 2: Big-O claim (4 points)

Criteria	Mastered (2)	Novice (0)	
Yes/No answer	The answer is correct	The answer is incorrect	
Criteria	**Mastered (2)**	**Proficient (1)**	**Novice (0)**
Explanation	Completely clear and correct explanation	explanation not clear or missing details needed	missing or simply restating claim