

FINAL EXAM

NAME <i>(Please use capital letters)</i>	
ID NUMBER	

Requirements

- The exam lasts for 2 hours and 10 minutes.
- You must keep your photo ID on your desk from the beginning of the exam until the proctor verifies your identity.
- Before you leave the classroom you must sign under your name on the photo roster available on the front desk and leave the exam on the front desk as well.
- You may **NOT** use any additional materials. In particular, you may **NOT** use calculators, textbooks or notes.
- The exam is individual. Therefore, you may **NOT** consult your colleagues during the exam.
- You must switch off your cell phones before the exam begins.
- Answers with little or no justification will receive no credit.
- Should you have any questions during the exam, please ask. In particular, you may ask for explanations if you find a notation or a writing convention confusing. When you ask a question you must do so in a **LOW VOICE**.
- The last problem on the exam, namely 6, is non-standard. To point that out the problem is accompanied by an exclamation point (!).
- When you leave the classroom do it **SILENTLY**.

“Don't just read it; fight it! Ask your own questions, look for your own examples, discover your own proofs.”

Paul R. Halmos

Good luck!

1 (8 points)	2 (5 points)	3 (5 points)	4 (4 points)	5 (8 points)	6 (10 points)	TOTAL (40 points)

