

Reflective Essay 5: Due Monday, March 9, 2015

Directions: Your essay should be typed in a readable 12-point font. Include a heading on the first page with your name, date, Math 34001, and Essay n (for the appropriate number n). If there are multiple sheets, staple together the top left corners (in the correct order). Turn in at the start of class on the date due. Do not submit answers on notebook paper or via email.

Please provide a self-assessment of your learning and performance in this course. You should address the following learning goals. Give yourself a score (0–10, with 10 being the highest) in each of the three main categories and provide justification for that score.

1. Mastery of content

- (a) definitions and results related to even and odd integers
- (b) definitions and results related to the number systems and operations
- (c) an understanding of how the number systems fit together; how we build one from the other

2. Proof-writing

- (a) understanding of the distinction between axioms, definitions, conjectures, and theorems (propositions)
- (b) understanding of the distinction between the hypotheses and conclusion in a theorem
- (c) ability to correctly quantify variables in a proof
- (d) ability to construct a coherent logical argument

3. Participation

- (a) in small-group work
 - i. stay on-task
 - ii. listen attentively to others' ideas
 - iii. participate meaningfully
 - iv. contribute insights and original thinking
 - v. ask questions when you don't understand
- (b) in whole-class discussions
 - i. stay on-task
 - ii. listen attentively to others' ideas
 - iii. participate meaningfully
 - iv. contribute insights and original thinking
 - v. ask questions when you don't understand