

# Practice Midterm Exam: MUTH 2500

Name:

I. what are the normal and prime forms of the following three pitch-class collections? (60 points)  
NB: show these in both musical and numeric forms on the staff below!

The image shows a single musical staff with a treble clef and a key signature of one sharp (F#). The staff is divided into three sections by vertical bar lines, labeled A, B, and C. Section A contains four notes: F#4, G4, A4, and B4. Section B contains four notes: C5, D5, E5, and F#5. Section C contains four notes: G5, A5, B5, and C6. Below the staff is a blank musical staff with a treble clef, divided into three sections corresponding to A, B, and C, intended for the student to write the normal and prime forms of the pitch-class collections.

II. How are A and B related; if T then show  $Tn A = B$ ; if by inversion show  $TnI A = B$  (10 points)

III. Using numbers as in Straus, show the atonal voice-leading of A mapping onto B: (10 points)

IV. Is B a subset of C at the pitch-class (normal form) level? (10 points)

V. Is B a subset of C at the set-class (prime form) level? (10 points)