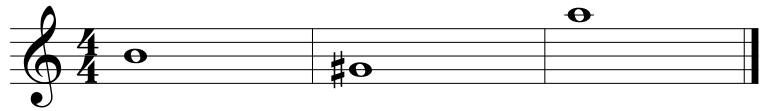


## MUTH 5370 Review of Atonal Pitch-Class Set Theory



1) ordered pitch intervals: the number of half steps from one pitch to another with direction	-3	+13
2) unordered pitch intervals: the number of half steps from one pitch to another without direction	3	13
3) ordered pitch-class intervals: first note = x; the second = y. ordered pitch class interval = $y - x \pmod{12}$	9	1
4) unordered pitch-class intervals: the smaller distance between any two pitch classes	3	1
5) interval vector: an array of all the interval classes in a set	1 1 1 0 0 0	
6) pitch-class set in normal form: atonal "root position"	[89E]	
7) set-class to which the set belongs: the number of half step distances from one pitch-class to another	(013)	
8) T11 of the set: are there common tones under transposition at that level? if so what are they?	[78T] yes; G-sharp (aka: pc 8)	
9) T4I of T11: are there common tones under inversion between T11 and T4I? if so what are they?	[689] yes; G-sharp (aka: pc8)	