**Worksheet 2: Twelve-Tone Worksheet**

If you are having trouble with this worksheet, reread Morgan, “The Twelve-tone system.”

Given the following melody (an excerpt from a really awful twelve-tone string quartet by a composer who shall remain nameless)

1. Write the pitch classes within the octave from middle-C to C above middle C (3rd space in treble clef):

2. Call that row $P_0$. Now give the following other rows:

   $P_7$

   $I_0$

   $RI_3$

3. Why is it that the first two notes of $P_0$ and $I_0$ are the same?

4. There is a transposition of the retrograde (R) which has 3 of the first 4 notes the same as 3 of the first 4 notes of $P_0$. What is that transposition (e.g., $R_3$, $R_4$)? Notate that row:

5. Keep the first 6 notes of the row $P_0$, complete the row in a different way than the clown who wrote the original melody did, then changing the rhythms, articulations, dynamics, range, whatever, to make a better melody than given at the top of the page (*A better melody? you ask, how could it possibly be WORSE?!*):