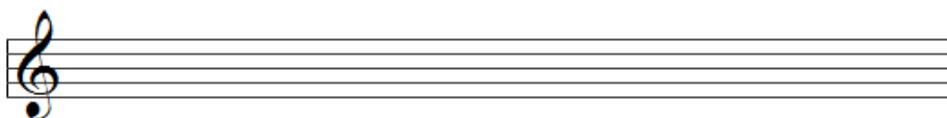
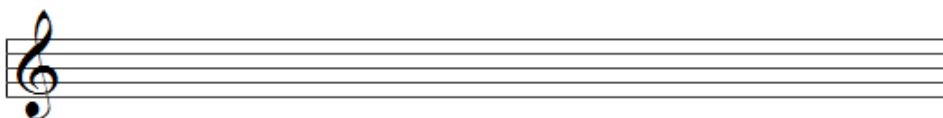


3) Write an octatonic scale, in whole notes, using accidentals, beginning with a semitone [0,1], starting on the fourth note of the C# Locrian scale.



Write the whole tone scale, in whole notes, that does not contain F, starting on any note not contained in Bb Phrygian.



If the above two scales were combined, what two notes could be added to complete the aggregate?

4) Scott, Karen, and Peter are singing in a trio. They love to sing in just temperament! Peter is singing a G3, Scott is singing a B3, and Karen is singing a D4. If Peter were to move to G#3 and Karen were to move to D#4, would this affect Scott's tuning if he wanted to remain in just temperament? How many cents (rounded to the nearest integer) would Scott have to change his pitch by?

If Karen were to then move to an E4, would this affect Scott's tuning if he wished to remain in just tuning? Why or why not?
