

Worksheet on Inversion: Inverting Sets

Inversion involves two steps: First, invert (I) each member of the pc set; do that by subtracting it from 12. Second, transpose each member of the pc set; do this by adding the interval of transposition to each note. The interval of transposition appears as the subscript, n , to the symbol T_n .

Turn each pc set below into pc numbers. Then invert the pc sets as indicated.

| | Pc numbers | Pc set resulting from inversion (I) | Pc set resulting from transposition (T_n) |
|--|------------|-------------------------------------|---|
| 1. $T_{1I} \{A B \flat C D\}$ | _____ | _____ | _____ |
| 2. $T_{0I} \{C \sharp D F\}$ | _____ | _____ | _____ |
| 3. $T_{3I} \{C \sharp D E G \sharp\}$ | _____ | _____ | _____ |
| 4. $T_{7I} \{A \sharp B C E \flat E G\}$ | _____ | _____ | _____ |
| 5. $T_{6I} \{B \flat C E G\}$ | _____ | _____ | _____ |

Are the following two sets related by inversion? $\{5 9 e\}$ and $\{7 9 1\}$
How can you tell?