

Extended Harmonies: Ninth, Eleventh, Thirteenth and Added-note chords

1. Write the indicated ninth chord on treble or bass clef, as shown by the model. Remember that Cm⁹ refers to a minor triad with a major 9, while C⁻⁹ refers to a major triad with a minor 9 (Db)(22%).



D⁹ Em⁹ F(−⁹) C⁹ A⁹(Δ7) F[♯]m⁹



Bb⁻⁹ Gm⁹ Ab⁹(Δ7) Eb⁻⁹ C[♯](⁹) D⁹(Δ7)

2. Realize the figured-bass examples in four-voice texture, and analyze with RN.
Leave out the chordal 5th in all ninth chords (30%)..

7 9/7 6-5 7/3 4/3 7 9/7 ♭7

9/7 3 ♭9/7 3 6 9/7 8/6 4 6/5 4-3

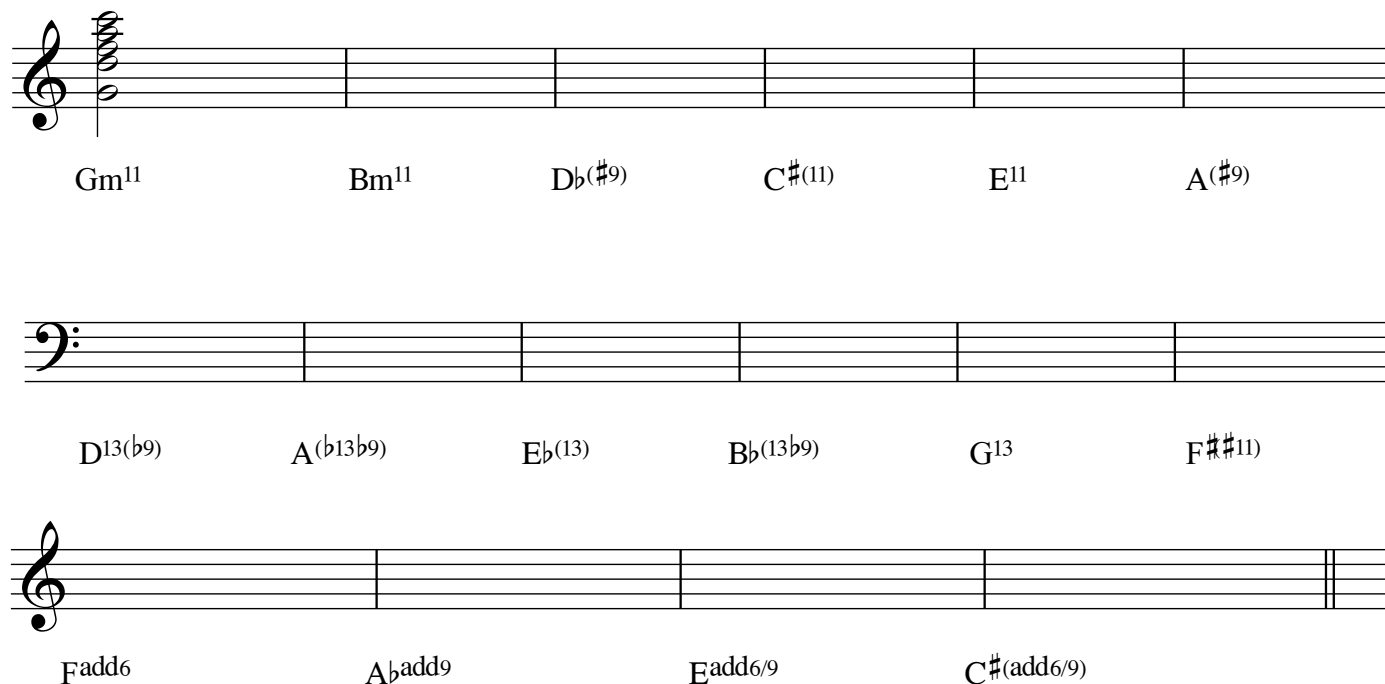
First system, measures 1-5. The key signature has three flats (B-flat, E-flat, A-flat) and the time signature is 3/4. The melody in the treble clef consists of quarter notes: G4, A4, B-flat4, C5, D5, E-flat5, F5, G5, A5, B-flat5, C6, D6, E6, F6, G6. The bass line consists of half notes: G3, B-flat3, D4, F4, A4, C5, E5, G5, B-flat5, D6, F6, A6, C7, E7, G7. Fingering numbers are written below the bass line: 7, 6, 5, 9, 7, 6, 5, 9, 6, 4.

Second system, measures 6-9. The key signature has three flats and the time signature is 3/2. The melody in the treble clef consists of half notes: G4, A4, B-flat4, C5, D5, E-flat5, F5, G5, A5, B-flat5, C6, D6, E6, F6, G6. The bass line consists of half notes: G3, B-flat3, D4, F4, A4, C5, E5, G5, B-flat5, D6, F6, A6, C7, E7, G7. Fingering numbers are written below the bass line: 7, 6, 9, 8, 11, 10.

Third system, measures 10-14. The key signature has three flats and the time signature is 3/4. The melody in the treble clef consists of quarter notes: G4, A4, B-flat4, C5, D5, E-flat5, F5, G5, A5, B-flat5, C6, D6, E6, F6, G6. The bass line consists of half notes: G3, B-flat3, D4, F4, A4, C5, E5, G5, B-flat5, D6, F6, A6, C7, E7, G7. Fingering numbers are written below the bass line: 6, 9, 6, 9, 7.

Fourth system, measures 15-18. The key signature has three flats and the time signature is 3/4. The melody in the treble clef consists of quarter notes: G4, A4, B-flat4, C5, D5, E-flat5, F5, G5, A5, B-flat5, C6, D6, E6, F6, G6. The bass line consists of half notes: G3, B-flat3, D4, F4, A4, C5, E5, G5, B-flat5, D6, F6, A6, C7, E7, G7. Fingering numbers are written below the bass line: 6, 6, 6, 7, 11, 12, 11, 8.

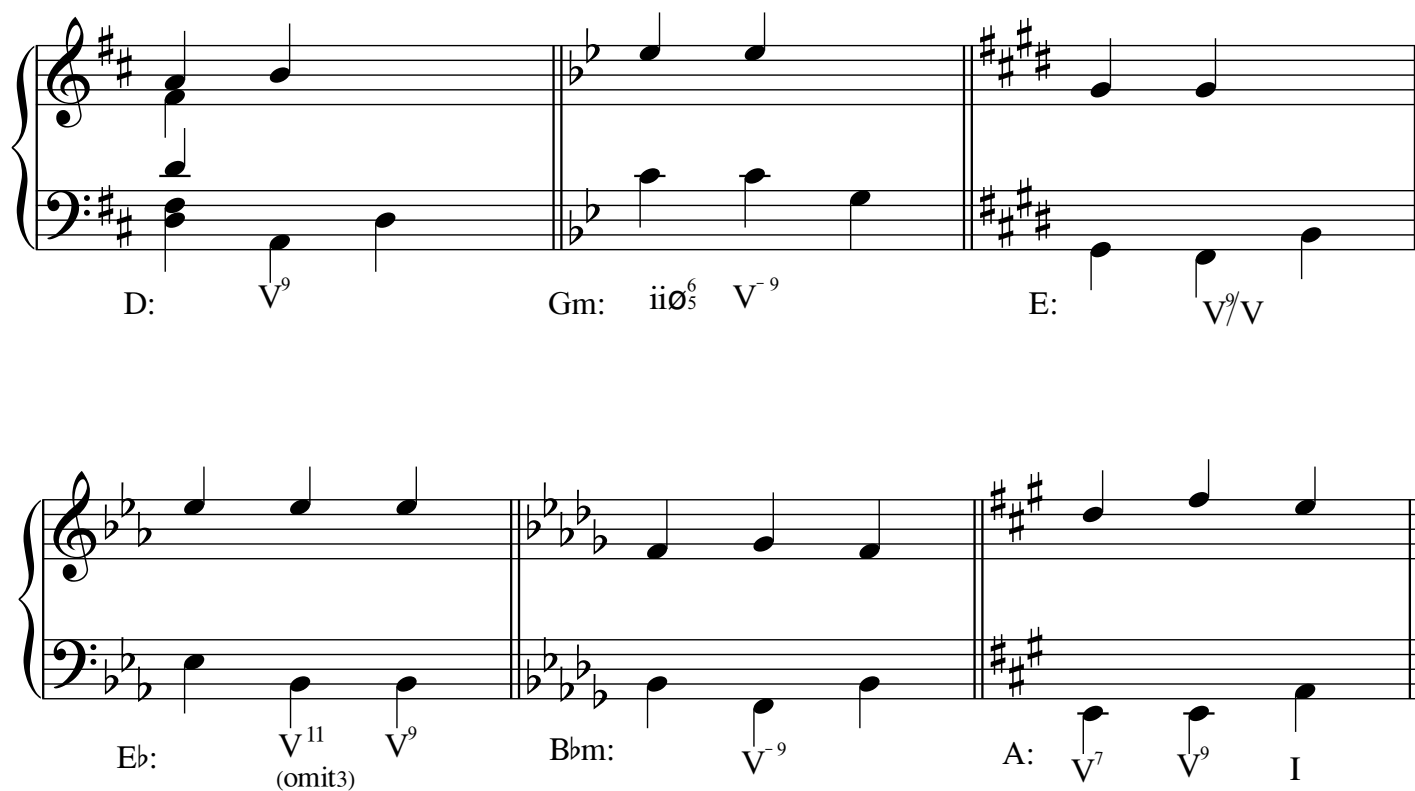
3. Write the following eleventh, thirteenth, and added-note chords on treble or bass staff.
Spell the complete chord with all chordal members (30%).



Exercise 3 provides six treble staves and six bass staves for writing chords. The chords to be written are:

- Treble Staff 1: Gm^{11}
- Treble Staff 2: Bm^{11}
- Treble Staff 3: $D^b(\sharp^9)$
- Treble Staff 4: $C^\sharp(11)$
- Treble Staff 5: E^{11}
- Treble Staff 6: $A(\sharp^9)$
- Bass Staff 1: $D^{13}(b^9)$
- Bass Staff 2: $A(b^{13}b^9)$
- Bass Staff 3: $E^b(13)$
- Bass Staff 4: $B^b(13b^9)$
- Bass Staff 5: G^{13}
- Bass Staff 6: $F^\sharp\sharp(11)$
- Treble Staff 7: F^{add6}
- Treble Staff 8: A^badd9
- Treble Staff 9: $E^{add6/9}$
- Treble Staff 10: $C^\sharp(add6/9)$

4. The following staves give you the key, some type of ninth or eleventh chord, and a **soprano** note. Make a **five-voice** setting of each progression as shown in the first chord; beware of parallels. Approach each chordal 9th or 11th through a neighbor, suspension or appoggiatura, and resolve it stepwise (18%).



Exercise 4 provides two systems of piano staves for a five-voice setting. The first system shows three measures with keys, chords, and soprano notes. The second system shows three measures with keys, chords, and soprano notes.

First System:

- Measure 1: Key of D major, Chord D, Soprano note D.
- Measure 2: Key of G minor, Chord $Gm: ii\emptyset_5^6$, Soprano note G.
- Measure 3: Key of E major, Chord E, Soprano note E.

Second System:

- Measure 1: Key of E-flat major, Chord $E^b: V^{11} (omit3)$, Soprano note E-flat.
- Measure 2: Key of B-flat minor, Chord $B^bm: V^{-9}$, Soprano note B-flat.
- Measure 3: Key of A major, Chord A, Soprano note A.