

# Dominant and Diminished 7ths

## ANSWERS

1. Using a key signature AND accidentals, write the diminished 7th chord of all 12 minor keys in root position

*a: viio7*    *E.g. e: viio7*    etc...    *b: viio7*    *f#: viio7*    *c#: viio7*    *g#: viio7*  
*d: viio7*    *g: viio7*    *c: viio7*    *f: viio7*    *bb: viio7*    *eb: viio7*

2. a) Identify the key(s) that contain the following dominant or diminished 7ths.

*E.g. G or g: U7*    *B or b: U7*    *c: viio7*    *f#: viio7*    *ab: viio7*    *b: viio7*    *C or c: U7*    *D or d: U7*    *g: viio7*    *Eb or eb: U7*

2. b) In the chords above, turn dominant 7ths into diminished 7ths and vice versa. Change one note only. Identify the new key(s).

*E.g. e: viio7*    *g#: viio7*    *Eb or eb: U7*    *A or a: U7*    *Cb: U7*    *D or d: U7*    *a: viio7*    *b: viio7*    *Bb or bb: U7*    *c: viio7*

3. Write a dominant 7th chord ABOVE the given note as the root, 3rd, 5th, or 7th. Identify the key(s). Do NOT change the given note.

*E.g. on A*    root    3rd    5th    7th    root    3rd    5th    7th  
*D or d: U7*    *Bb or bb: U65*    *G or g: U43*    *E or e: U42*    *Eb or eb: U7*    *Cb: U65*    *Ab or ab: U43*    *F or f: U42*  
 root    3rd    5th    7th    root    3rd    5th    7th  
*A or a: U7*    *F or f: U65*    *D or d: U43*    *B or b: U42*    *B or b: U7*    *G or g: U65*    *E or e: U43*    *C#: U42*

4. Identify these open position dominant 7th chords. Remember, only the BASS (lowest) note matters in determining inversion.

*E.g. G or g: U42*    *C#: U42*    *F: U43*    *Bb: U65*    *C: U42*    *A: U43*    *Db: U65*