Section 1. *Scale/Mode Identification*. Please identify the following modes and scales.

1. Scale/Mode used: ____________________________

2. Scale/Mode used: ____________________________

3. Scale/Mode used: ____________________________

4. Scale/Mode used: ____________________________

Section 2. *Scale/Mode Writing*. Please write the following scales/modes.

1. E-flat Phrygian

2. A Lydian-Mixolydian

3. F-sharp Hexatonic
Section 3. *Parallelism.* Please complete the following examples using strict parallelism. Maintain the interval relationships; do **not** make enharmonic alterations.

1. 

![Musical notation](image1.png)

2. 

![Musical notation](image2.png)

Section 4. Analyze the following polychords.

![Musical notation](image3.png)

Section 5. Writing the following polychords.

![Musical notation](image4.png)

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Music Theory for the 21\textsuperscript{st}-Century Classroom, *Homework Exercises*, p. 166
Section 6. After analyzing the given chord as a lead-sheet symbol, revoice it in four ways:
   (1) as a six-note tertian chord stacked only in thirds
   (2) as a six-note quartal chord stacked only in perfect 4ths
   (3) as a six-note quintal chord stacked only in perfect 5ths
   (4) as a six-note secundal chord stacked only in 2nds

LSS: _____ (1) in 3rds (2) in 4ths (3) in 5ths (4) in 2nds

Section 7. Set Theory. For the following sets, provide the normal form, prime form, and interval vector.

Set 1. Normal form: ____________ Prime form: ____________ Interval vector: ____________


Sets 1 and 2 combined:
Normal form: ____________ Prime form: ____________ Interval vector: ____________

Music Theory for the 21st-Century Classroom, Homework Exercises, p. 167
Section 8. Transposition ($T_n$) and Inversion ($T_nI$) of Sets. Transpose or invert the following sets as specified. Write your answers in normal form.

a. Transpose $[7, 10, 11]$ at $T_8$: $[ __ , __ , __ ]$

b. Transpose $[4, 5, 8, 10, 11]$ at $T_{10}$: $[ __ , __ , __ , __ , __ ]$

c. Invert $[1, 4, 5]$ at $T_{8I}$: $[ __ , __ , __ ]$

d. Invert $[3, 4, 9, 10]$ at $T_{7I}$: $[ __ , __ , __ , __ ]$

Section 9. Twelve-Tone Technique. Identify $P_4$ and the three other row forms in the example below; specify the order of notes in the row (or “do a 12-count”). Follow the rows all the way through—there are slight differences. Also, notate the two row forms specified below.

Notate $I_5$

Notate $RI_7$

Notate $R_{10}$