







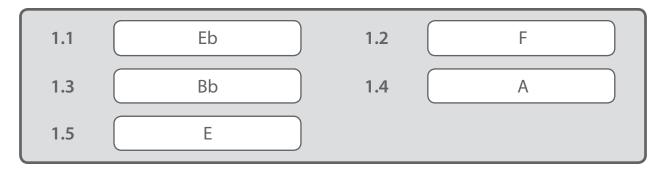
# PLAY BY EAR, IMPROVISE AND UNDERSTAND CHORDS N WORSHIP :::

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ANSWER BOOK

# **Answer Section 1.0 – Finding The Key**



# **Answer Section 2.0 – Notes In The Major Scale**

1	2	3	4	5	6	7	1
(root)	Τ	Т	S	Т	Т	Т	S
С	D	Е	F	G	А	В	С
F	G	А	Bb	С	D	Е	F
G	А	В	С	D	Е	F#	G
D	Е	F#	G	А	В	C#	D
Bb	С	D	Eb	F	G	А	Bb
Eb	F	G	Ab	Bb	С	D	Eb
A	В	C#	D	Е	F#	G#	А
Е	F#	G#	А	В	C#	D#	Е
Ab	Bb	С	Db	Eb	F	G	Ab
В	C#	D#	Е	F#	G#	A#	В
Db	Eb	F	Gb	Ab	Bb	С	Db

# **Answer Section 3.0 – Hearing Intervals (Ascending)**

#### **Answer Section 3.1**

3.1.1	4 <sup>th</sup>	3.1.2	5 <sup>th</sup>
3.1.3	3 <sup>rd</sup>	3.1.4	2 <sup>nd</sup>
3.1.5	3 <sup>rd</sup>	3.1.6	4 <sup>th</sup>
3.1.7	2 <sup>nd</sup>	3.1.8	5 <sup>th</sup>

#### **Answer Section 3.2**

3.2.1	6 <sup>th</sup>	3.2.2	7 <sup>th</sup>
3.2.3	3 <sup>rd</sup>	3.2.4	2 <sup>nd</sup>
3.2.5	6 <sup>th</sup>	3.2.6	5 <sup>th</sup>
3.2.7	7 <sup>th</sup>	3.2.8	4 <sup>th</sup>

# **Answer Section 4.0 – Hearing Intervals (Descending)**

#### **Answer Section 4.1**

4.1.1	3 <sup>rd</sup>	4.1.2	5 <sup>th</sup>
4.1.3	2 <sup>nd</sup>	4.1.4	4 <sup>th</sup>
4.1.5	2 <sup>nd</sup>	4.1.6	5 <sup>th</sup>
4.1.7	3 <sup>rd</sup>	4.1.8	6 <sup>th</sup>

#### **Answer Section 4.2**

4.2.1	3 <sup>rd</sup>	4.2.2	2 <sup>nd</sup>
4.2.3	7 <sup>th</sup>	4.2.4	5 <sup>th</sup>
4.2.5	4 <sup>th</sup>	4.2.6	3 <sup>rd</sup>
4.2.7	5 <sup>th</sup>	4.2.8	6 <sup>th</sup>

# Answer Section 5.0 – Hearing Intervals (Ascending & Descending)

#### **Answer Section 5.1**

5.1.1	Perfect 4 <sup>th</sup>	5.1.2	Major 2 <sup>nd</sup>
5.1.3	Major 6 <sup>th</sup>	5.1.4	Perfect 5 <sup>th</sup>
5.1.5	Minor 2 <sup>nd</sup>	5.1.6	Major 7 <sup>th</sup>
5.1.7	Major 3 <sup>rd</sup>	5.1.8	Octave

#### **Answer Section 5.2**

5.2.1	Major 7 <sup>th</sup>	5.2.2	Minor 3 <sup>rd</sup>
5.2.3	Perfect 5 <sup>th</sup>	5.2.4	Major 2 <sup>nd</sup>
5.2.5	Octave	5.1.6	Major 6 <sup>th</sup>
5.2.7	Major 3 <sup>rd</sup>	5.2.8	Perfect 5 <sup>th</sup>

#### **Answer Section 5.3**

5.3.1	Octave	5.3.2	Perfect 5 <sup>th</sup>
5.3.3	Major 3 <sup>rd</sup>	5.3.4	Major 2 <sup>nd</sup>
5.3.5	Perfect 4 <sup>th</sup>	5.3.6	Major 6 <sup>th</sup>
5.3.7	Minor 3 <sup>rd</sup>	5.3.8	Aug 4 <sup>th</sup>
5.3.9	Minor 6 <sup>th</sup>	5.3.10	Minor 2 <sup>nd</sup>
5.3.11	Major 7 <sup>th</sup>	5.3.12	Minor 7 <sup>th</sup>

#### **Answer Section 5.4**

5.4.1	Perfect 4 <sup>th</sup>	5.4.2	Minor 2 <sup>nd</sup>
5.4.3	Minor 7 <sup>th</sup>	5.4.4	Perfect 5 <sup>th</sup>
5.4.5	Minor 3 <sup>rd</sup>	5.4.6	Major 6 <sup>th</sup>
5.4.7	Minor 2 <sup>nd</sup>	5.4.8	Major 3 <sup>rd</sup>

## **Answer Section 5.5**

5.5.1	Major 3 <sup>rd</sup>	5.5.2	Perfect 5 <sup>th</sup>
5.5.3	Minor 7 <sup>th</sup>	5.5.4	Major 2 <sup>nd</sup>
5.5.5	Minor 3 <sup>rd</sup>	5.5.6	Octave
5.5.7	Perfect 4 <sup>th</sup>	5.5.8	Minor 2 <sup>nd</sup>

#### **Answer Section 5.6**

5.6.1	Minor 6 <sup>th</sup>	5.6.2	Minor 2 <sup>nd</sup>
5.6.3	Major 7 <sup>th</sup>	5.6.4	Minor 7 <sup>th</sup>
5.6.5	Octave	5.6.6	Perfect 5 <sup>th</sup>
5.6.7	Major 3 <sup>rd</sup>	5.6.8	Major 2 <sup>nd</sup>
5.6.9	Perfect 4 <sup>th</sup>	5.6.10	Major 6 <sup>th</sup>
5.6.11	Minor 3 <sup>rd</sup>	5.6.12	Aug 4 <sup>th</sup>

#### **Answer Section 5.7**

5.7.1	Perfect 4 <sup>th</sup>	5.7.2	Major 2 <sup>nd</sup>
5.7.3	Major 6 <sup>th</sup>	5.7.4	Perfect 5 <sup>th</sup>
5.7.5	Minor 2 <sup>nd</sup>	5.7.6	Major 7 <sup>th</sup>
5.7.7	Major 3 <sup>rd</sup>	5.7.8	Octave
5.7.9	Perfect 4 <sup>th</sup>	5.7.10	Minor 2 <sup>nd</sup>
5.7.11	Minor 7 <sup>th</sup>	5.7.12	Perfect 5 <sup>th</sup>
5.7.13	Minor 3 <sup>4d</sup>	5.7.14	Major 6 <sup>th</sup>
5.7.15	Minor 2 <sup>nd</sup>	5.7.16	Major 3 <sup>rd</sup>
5.7.17	Aug 4 <sup>th</sup>	5.7.18	Minor 2 <sup>nd</sup>
5.7.19	Octave	5.7.20	Minor 6 <sup>th</sup>

# **Answer Section 6.0 – Finding The Notes In Major And Minor Chords**

Chord	Root	3 <sup>rd</sup>	5 <sup>th</sup>
Cm	С	Eb	G
D	D	F#	А
G	G	В	D
Α	А	C#	Е
Eb	Eb	G	Bb
Bbm	Bb	Db	F
Em	Е	G	В
F	F	А	С
F#m	F#	А	C#
Gm	G	Bb	D
В	В	D#	F#
Bm	В	D	F#
Ab	Ab	С	Eb
Dm	D	F	А
Fm	F	Ab	С

# **Answer Section 7.0 – Hearing Major And Minor Chords**

7.1	min	7.2	maj
7.3	maj	7.4	min
7.5	maj	7.6	maj
7.7	min	7.8	min
7.9	maj	7.10	maj
7.11	maj	7.12	min
7.13	min	7.14	maj
7.15	min	7.16	maj

# **Answer Section 8.0 – Finding Chords In The Key**

Key	Chord Number	Answer
E	4	А
D	2	Em
G	5	D
F	3	Am
Bb	6	Gm
G	1	G
A	4	D
E	5	В
G	2	Am
С	6	Am
D	3	F#m
F	4	Bb
Bb	2	Cm
А	6	F#m
Eb	3	Gm
F	5	С
G	7	F#dim or D/F#
В	5	F#
Ab	3	Cm

# **Answer Section 9.0 – Transcribing Simple Sequences**

9.1 Key D Major

Chord Number	1 (I)	1 (I)	4 (IV)	4 (IV)
Chord	D	D	G	G

<b>Chord Number</b>	1 (I)	1 (I)	5 (V)	5 (V)
Chord	D	D	A	A

9.2 Key D Major

<b>Chord Number</b>	1 (I)	5 (V)	4 (IV)	5 (V)
Chord	D	Α	G	A

9.3 Key G Major

<b>Chord Number</b>	1 (I)	6 (VI)	5 (V)	4 (IV)
Chord	G	Em	D	С

**9.4 Key** G Major

<b>Chord Number</b>	6 (VI)	4 (IV)	5 (V)	1 (I)	6 (VI)	4 (IV)	5 (V)	1 (I)
Chord	Em	C	D	G	Em	C	D	G

9.5	Key	C Major	
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Chord Number	1 (I)	2 (II)	4 (IV)	5 (V)
Chord	С	Dm	F	G

Chord Number	6 (VI)	4 (IV)	5 (V)	1 (I)
Chord	Am	F	G	С

# 9.6 Key C Major

Chord Number	6 (VI)	2 (II)	5 (V)	1 (I)
Chord	Am	Dm	G	С

# 9.7 Key D Major

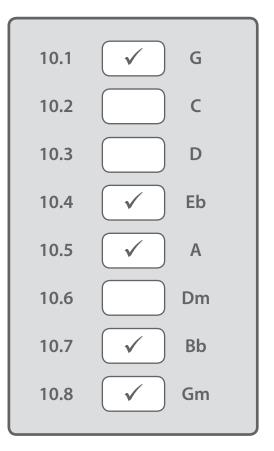
<b>Chord Number</b>	1 (I)	3 (III)	6 (VI)	5 (V)
Chord	D	F <sup>#</sup> m	Bm	A

# 9.8 Key D Major

Chord Number	3 (III)	3 (III)	6 (VI)	6 (VI)
Chord	F#m	F#m	Bm	Bm

<b>Chord Number</b>	4 (IV)	4 (IV)	1 (I)	5 (V)
Chord	G	G	D	A

## **Answer Section 10.0 – Hearing Inversions**



10.9		A
10.10	$\checkmark$	Em
10.11	$\checkmark$	F
10.12		C
10.13		Am
10.14	$\checkmark$	Е
10.15	<b>✓</b>	Cm

# **Answer Section 11.0 – Transcribing Longer Chord Sequences**

# **11.1 Key** D

<b>Chord Number</b>	1 (I)	5/7 (Vb)	1/3 (lb)	4 (IV)
Chord	D	A/C <sup>#</sup>	D/F <sup>#</sup>	G

# **11.2 Key** F

Chord Number	4 (IV)	5 (V)	1/3 (lb)	1/3 (lb)
Chord	Bb	С	F/A	F/A

11.3	Key	A
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<b>Chord Number</b>	1 (I)	3 (III)	4 (IV)	5 (V)
Chord	А	C <sup>#</sup> m	D	Е

# **11.4 Key** E

Chord Number	1 (I)	5/7 (Vb)	6 (VI)	4 (IV)
Chord	Е	B/D <sup>#</sup>	C <sup>#</sup> m	A

# **11.5 Key** Bb

<b>Chord Number</b>	1 (I)	1/3 (lb)	4 (IV)	6 (VI)	5 (V)
Chord	Bb	Bb/D	Eb	Gm	F

# **11.6 Key** Eb

<b>Chord Number</b>	1 (I)	2 (II)	4 (IV)	5 (V)
Chord	Eb	Fm	Ab	Bb

# **11.7 Key** G

<b>Chord Number</b>	2 (II)	5 (V)	1/3 (lb)	4 (IV)
Chord	Am	D	G/B	С

<b>Answer Section</b>	12.0 –	<b>Transcribing</b>	<b>A Song</b>
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G

Chords	1	2	1/3	4	5	6	5/7
Ciloras	G	Am	G/B	С	D	Em	D/F <sup>#</sup>

#### Intro

	Em	D/F <sup>#</sup>	G	С	Em	D/F <sup>#</sup>	С
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#### Verse

Em	D/F <sup>#</sup>	G	С	Em	D/F <sup>#</sup>	С	
Em	D/F <sup>#</sup>	G	С	Em	D/F <sup>#</sup>	С	
Am	G/B	D		Am	G/B	D	

#### **Chorus**

G	D/F <sup>#</sup>	Em	С
G	D/F <sup>#</sup>	Em	D
С	(pause)		

#### Bridge

С	D	С	D
С	D	С	D
С	D	С	D

# Answer Section 13.0 – Transposing A Song Using Nashville Numbering Into 3 Keys

#### **Answer Section 13.1**



Chords	1	2	1/3	4	5	6	5/7
Ciloras	D	Em	D/F#	G	А	Bm	A/C#

#### Intro

Bm (6) A/C <sup>#</sup> (5/7) D (1) G(4) Bm A/C <sup>#</sup> G
--

#### Verse

Bm	A/C <sup>#</sup>	D	G	Bm	A/C <sup>#</sup>	G
Bm	A/C <sup>#</sup>	D	G	Bm	A/C <sup>#</sup>	G
Em	D/F#	А		Em	D/F#	А

#### Chorus

D	A/C#	Bm	G
D	A/C <sup>#</sup>	Bm	А
G	(pause)		

#### Bridge

G	А	G	А
G	А	G	А
G	А	G	А

#### **Answer Section 13.2**

Key E
-------

Chords	1	2	1/3	4	5	6	5/7
Ciloras	Е	F <sup>#</sup> m	E/G <sup>#</sup>	А	В	C <sup>#</sup> m	B/D#

#### Intro

#### Verse

C#m	B/D#	Е	А	C <sup>#</sup> m	B/D#	А
C#m	B/D#	Е	А	C <sup>#</sup> m	B/D#	А
F#m	E/G <sup>#</sup>	В		F#m	E/G <sup>#</sup>	В

#### **Chorus**

E	B/D#	C#m	А
Е	B/D#	C <sup>#</sup> m	В
А	(pause)		

## Bridge

A	В	А	В
А	В	А	В
А	В	А	В

#### **Answer Section 13.3**

Key	Bb

Chords	1	2	1/3	4	5	6	5/7
Cilorus	Bb	Cm	Bb/D	Eb	F	Gm	F/A

#### Intro

|--|

#### Verse

Gm	F/A	Bb	Eb	Gm	F/A	Eb
Gm	F/A	Bb	Eb	Gm	F/A	Eb
Cm	Bb/D	F		Cm	Bb/D	F

#### **Chorus**

Bb	F/A	Gm	Eb
Bb	F/A	Gm	Eb
Eb	(pause)		

## Bridge

Eb	F	Eb	F
Eb	F	Eb	F
Eb	F	Eb	F

# **Answer Section 14.0 – Basic Chord Substitution**

Key	Chord	Substitues	Chord	Substitues	Chord	Substitues
c	1 (C)	6 (Am)	4 (F)	2 (Dm)	5 (G)	3 (Em)
		3 (Em)		6 (Am)		5/7 (G/B)
F	1 (F)	6 (Dm)	2 (Gm)	4 (Bb)	6 (Dm)	1 (F)
		3 (Am)		5/7 (C/E)		4 (Bb)
A	4 (D)	2 (Bm)	2 (Bm)	4 (D)	5 (E)	3 (C <sup>#</sup> m)
		6 (F <sup>#</sup> m)		5/7 (E/G#)		5/7 (E/G#)
D	1 (D)	6 (Bm)	3 (F <sup>#</sup> m)	5 (A)	6 (Bm)	1 (D)
		3 (F <sup>#</sup> m)		1 (D)		4 (G)
G	2 (Am)	4 (C)	4 (C)	2 (Am)	5 (D)	3 (Bm)
		5/7 (D/F <sup>#</sup> )		6 (Em)		5/7 (D/F#)
Bb	1 (Bb)	6 (Gm)	5 (F)	3 (Dm)	2 (Cm)	1 (Eb)
		3 (Dm)		5/7 (F/A)		5/7 (F/A)
Е	2 (F <sup>#</sup> m)	4 (A)	4 (A)	2 (F <sup>#</sup> m)	5 (B)	3 (G <sup>#</sup> m)
[ -		5/7 (B/D#)		6 (C <sup>#</sup> m)		5/7 (B/D#)

# **Answer Section 15.0 – Notes In The Natural Minor Key**

Scale	Rel	1	2	3	4	5	6	7	1
Scale	Maj	Root	Т	S	Т	Т	S	Т	Т
Am	С	А	В	С	D	Е	F	G	А
Cm	Eb	С	D	Eb	F	G	Ab	Bb	С
Dm	F	D	Е	F	G	А	Bb	С	D
Bm	D	В	C#	D	Е	F#	G	А	В
Gm	Bb	G	А	Bb	С	D	Eb	F	G
Fm	Ab	F	G	Ab	Bb	С	Db	Eb	F
F#m	А	F#	G#	А	В	C#	D	Е	F#
Em	G	Е	F#	G	А	В	С	D	Е
C#m	Е	C#	D#	Е	F#	G#	А	В	C#

## **Answer Section 16.0 – Transcribing A Song In Natural Minor**

<b>Key</b> Em
---------------

Chords	1	2	3	4	5	6	7
Ciloras	Em	D/F#	G	Am	Bm	С	D

Em D Am D Em

O come, O come, Em ma nu el

D/F<sup>#</sup> G C G/B Am Bm Em

And ransom cap tive I sra el

Am G/B Dsus4 D

## That mourns in lonely exile here

Am G/B C D G

Un til the Son of God a ppear

D Bm Am G/B G

Rejoice! Rejoice! Em ma nu el

C G/B Am Bm Em

Shall come to thee, O Isra el

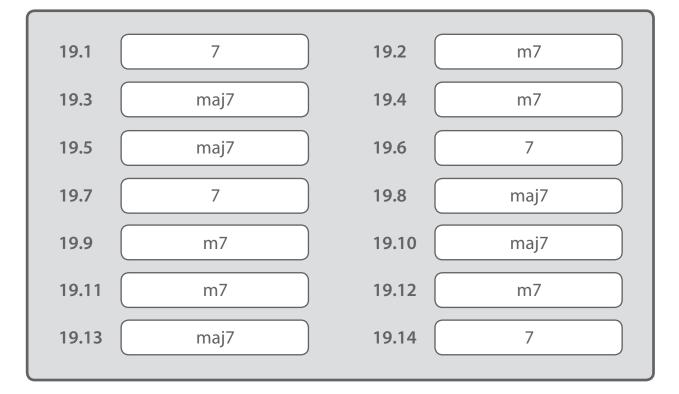
#### **Answer Section 17.0 – Notes In Harmonic Minor**

Scale	Rel	1	2	3	4	5	6	7	1
Scale	Maj	Root	Т	S	Т	Т	S	35	Т
Am	С	А	В	С	D	Е	F	G#	А
Cm	Eb	С	D	Eb	F	G	Ab	В	С
Dm	F	D	Е	F	G	А	Bb	C#	D
Bm	D	В	C#	D	Е	F#	G	Α#	В
Gm	Bb	G	А	Bb	С	D	Eb	F#	G
Fm	Ab	F	G	Ab	Bb	С	Db	Е	F
F#m	А	F#	G#	А	В	C#	D	E#	F#
Em	G	Е	F#	G	А	В	С	D#	Е
C#m	Е	C#	D#	Е	F#	G#	А	В#	C#

# Answer Section 18.0 – Hearing Major, Minor, Diminished And Augmented Chords

18.1	dim	18.2	dim
18.3	aug	18.4	aug
18.5	maj	18.6	min
18.7	dim	18.8	aug
18.9	maj	18.10	min
18.11	aug	18.12	aug
18.13	dim	18.14	dim

# **Answer Section 19.0 – Hearing Different Types Of 7**th



# **Answer Section 20.0 – Hearing All Chords**

20.1	min	20.2	maj7
20.3	maj	20.4	min
20.5	aug	20.6	5
20.7	add9	20.8	sus2
20.9	sus4	20.10	m7
20.11	7	20.12	maj
20.13	dim	20.14	5
20.15	aug	20.16	min
20.17	add9	20.18	sus4
20.19	dim	20.20	m7
20.21	maj7	20.22	maj
20.23	sus2	20.24	7

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