

# Part I

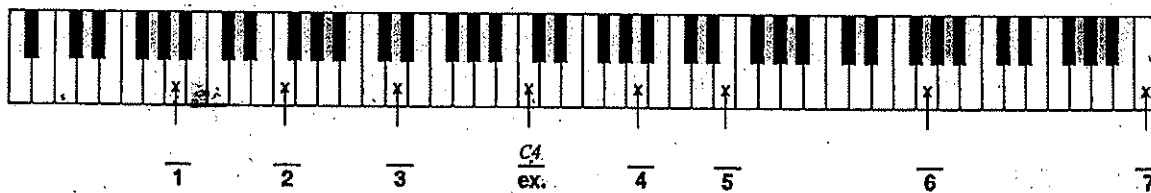
Fundamentals

## Chapter 1

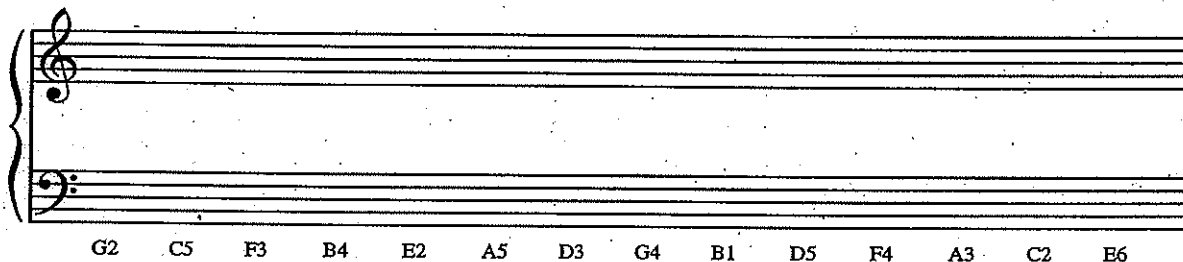
# ELEMENTS OF PITCH

### EXERCISE 1-1

A. Name the pitches in the blanks provided, using the correct octave register designations.



B. Notate the indicated pitches on the staff in the correct octave.



EXERCISE 1-2

A. Notate the specified scales using accidentals, not key signatures. Show the placement of whole and half steps, as in the example.

C major A $\flat$  major

G major C $\flat$  major

B major G $\flat$  major

E $\flat$  major D major

B. Identify these major key signatures.

   major       major       major       major       major       major       major  
 ex.            1            2            3            4            5            6            7

C. Notate the specified key signatures.

A $\flat$  major                      E major                      F major                      C major

G $\flat$  major                      G major                      E $\flat$  major                      C $\flat$  major

D. Fill in the blanks.

<i>Key signature</i>	<i>Name of key</i>	<i>Key signature</i>	<i>Name of key</i>
1. _____	D $\flat$ major	8. seven flats	_____ major
2. _____	G major	9. _____	F major
3. five sharps	_____ major	10. _____	E major
4. _____	E $\flat$ major	11. two sharps	_____ major
5. two flats	_____ major	12. three flats	_____ major
6. three sharps	_____ major	13. _____	G $\flat$ major
7. _____	C $\sharp$ major	14. six sharps	_____ major

E. Fill in the blanks, using the example as a model.

	<i>Major Key</i>	<i>Key Signature</i>	<i>Scale Degree</i>	<i>Is This Note</i>
Ex.	C	0/0	5	G
1.	E	_____	3	_____
2.	_____	2 $\sharp$	_____	C $\sharp$
3.	_____	_____	4	E $\flat$
4.	G $\flat$	_____	_____	E $\flat$
5.	_____	3 $\sharp$	2	_____
6.	_____	6 $\sharp$	_____	C $\sharp$

**EXERCISE 1-3**

A. Notate the specified scales using accidentals, not key signatures. The melodic minor should be written both ascending and descending.

c (natural) e (harmonic)

b (natural) a $\flat$  (harmonic)

g (melodic)

a $\sharp$  (natural) d (harmonic)

d $\sharp$  (melodic)

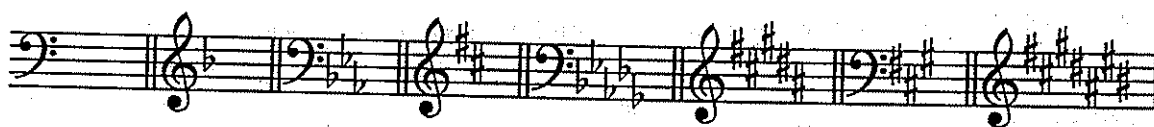
B. Identify the type of each scale as major, natural minor, harmonic minor, or melodic minor. Any melodic minor scales will be shown in the ascending version only.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

5. \_\_\_\_\_ 6. \_\_\_\_\_

C. Identify these minor key signatures.



a minor    1 minor    2 minor    3 minor    4 minor    5 minor    6 minor    7 minor  
 ex.

D. Notate the specified minor key signatures.



e $\flat$  minor                  c $\sharp$  minor                  g minor                  a minor



e minor                  a $\flat$  minor                  d $\sharp$  minor                  f minor

E. Fill in the blanks.

Key signature	Name of key	Key signature	Name of key
1. three sharps	f $\sharp$ minor	8. _____	g minor
2. _____	e $\flat$ minor	9. two sharps	_____ minor
3. _____	c $\sharp$ minor	10. seven flats	_____ minor
4. five flats	_____ minor	11. _____	e minor
5. _____	a minor	12. one flat	_____ minor
6. four flats	_____ minor	13. _____	c minor
7. seven sharps	_____ minor	14. _____	g $\sharp$ minor

**EXERCISE 1-4**

A. Provide the numerical names of the intervals by using the numbers 1 through 8.

A grand staff with two staves. The top staff has a treble clef and the bottom staff has a bass clef. There are 15 pairs of notes, one on each staff, connected by a brace on the left. The notes are: 1. G4, G4; 2. A4, G4; 3. B4, A4; 4. C5, B4; 5. D5, C5; 6. E5, D5; 7. F5, E5; 8. G5, F5; 9. A5, G5; 10. B5, A5; 11. C6, B5; 12. D6, C6; 13. E6, D6; 14. F6, E6; 15. G6, F6. A flat sign is placed above the first note of the 11th interval.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

**EXERCISE 1-5**

A. All the following intervals are 4ths, 5ths, unisons, or octaves. Put a "P" in the space provided *only* if the interval is a perfect interval.

A single staff with a treble clef. It contains 10 pairs of notes: 1. G4, G4; 2. A4, G4; 3. B4, A4; 4. C5, B4; 5. D5, C5; 6. E5, D5; 7. F5, E5; 8. G5, F5; 9. A5, G5; 10. B5, A5. A flat sign is placed above the first note of the 2nd interval.

1 4 2 5 3 8 4 4 5 1 6 5 7 4 8 5 9 4 10 1

A single staff with a bass clef. It contains 10 pairs of notes: 1. G3, G3; 2. A3, G3; 3. B3, A3; 4. C4, B3; 5. D4, C4; 6. E4, D4; 7. F4, E4; 8. G4, F4; 9. A4, G4; 10. B4, A4. A flat sign is placed above the first note of the 7th interval.

11 5 12 5 13 8 14 5 15 4 16 1 17 4 18 8 19 5 20 4

B. All the following intervals are 2nds, 3rds, 6ths, or 7ths. Put an "M" or an "m" in each space, as appropriate.

A single staff with a bass clef. It contains 10 pairs of notes: 1. G3, A3; 2. G3, B3; 3. F3, G3; 4. E3, F3; 5. D3, E3; 6. C3, D3; 7. B2, C3; 8. A2, B2; 9. G2, A2; 10. F2, G2. A flat sign is placed above the first note of the 2nd interval.

1 6 2 3 3 2 4 7 5 3 6 7 7 6 8 2 9 3 10 7

A single staff with a treble clef. It contains 10 pairs of notes: 1. G4, A4; 2. G4, B4; 3. F4, G4; 4. E4, F4; 5. D4, E4; 6. C4, D4; 7. B3, C4; 8. A3, B3; 9. G3, A3; 10. F3, G3. A flat sign is placed above the first note of the 2nd interval.

11 6 12 3 13 3 14 7 15 6 16 3 17 2 18 7 19 6 20 7



21 22 23 24 25 26 27 28 29 30

C. Notate the specified intervals above the given notes.



P4 1 m3 2 m6 3 M2 4 P4 5 P5 6 m2 7 P5 8 M7 9 m7 10



M3 11 P8 12 M6 13 m7 14 M3 15 M7 16 P8 17 P5 18 M6 19 m2 20



m3 21 M2 22 M7 23 M3 24 M6 25 m7 26 P4 27 M7 28 M6 29 m2 30



M6 31 M3 32 m3 33 M3 34 P5 35 m2 36 m6 37 m7 38 M7 39 M2 40



m6 41 M2 42 P4 43 m3 44 m7 45 P5 46 m6 47 P5 48 M7 49 m2 50



P5 51 P4 52 m3 53 m7 54 M2 55 P4 56 M6 57 m6 58 m2 59 M3 60

**EXERCISE 1-6**

A. Most of the intervals that follow are either augmented or diminished. Name each interval.

1      2      3      4      5      6      7      8      9      10

11      12      13      14      15      16      17      18      19      20

B. Label what each interval becomes when it is inverted.

- |                     |                     |
|---------------------|---------------------|
| 1. m3 becomes _____ | 5. M2 becomes _____ |
| 2. +5 becomes _____ | 6. +4 becomes _____ |
| 3. M6 becomes _____ | 7. P5 becomes _____ |
| 4. °7 becomes _____ | 8. m7 becomes _____ |

C. Notate the specified interval *below* the given note. (You might find it helpful to invert the interval first in some cases.)

$\frac{M7}{1}$      $\frac{P4}{2}$      $\frac{m6}{3}$      $\frac{+2}{4}$      $\frac{m7}{5}$      $\frac{M3}{6}$      $\frac{+6}{7}$      $\frac{°5}{8}$      $\frac{+4}{9}$      $\frac{M6}{10}$

$\frac{m2}{11}$      $\frac{M3}{12}$      $\frac{+6}{13}$      $\frac{M2}{14}$      $\frac{°5}{15}$      $\frac{m3}{16}$      $\frac{°7}{17}$      $\frac{P4}{18}$      $\frac{+2}{19}$      $\frac{+4}{20}$



$\frac{m7}{21}$     $\frac{P5}{22}$     $\frac{m3}{23}$     $\frac{m2}{24}$     $\frac{P4}{25}$     $\frac{M7}{26}$     $\frac{m2}{27}$     $\frac{^{\circ}5}{28}$     $\frac{M2}{29}$     $\frac{+6}{30}$

$\frac{m6}{31}$     $\frac{P4}{32}$     $\frac{M3}{33}$     $\frac{P5}{34}$     $\frac{+2}{35}$     $\frac{m3}{36}$     $\frac{P5}{37}$     $\frac{^{\circ}7}{38}$     $\frac{M2}{39}$     $\frac{M6}{40}$

D. Label each interval in this melody (from Wagner's *Götterdämmerung*).

1   2   3   4   5   6   7   8   9

10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

E. Beneath each harmonic interval that follows, indicate whether it is consonant ("c"), dissonant ("d"), or dissonant only if the bass has the bottom note of the interval ("d bass").

	1. m3	2. M7	3. +6	4. P5	5. M6
c	_____	_____	_____	_____	_____
d	_____	_____	_____	_____	_____
d bass	_____	_____	_____	_____	_____
	6. $^{\circ}5$	7. P4	8. P8	9. m2	10. M3
c	_____	_____	_____	_____	_____
d	_____	_____	_____	_____	_____
d bass	_____	_____	_____	_____	_____

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