

$\int \frac{1}{x^2} dx = -\frac{1}{x} + C$

$\int \frac{1}{x^3} dx = -\frac{1}{2x^2} + C$

$\int \frac{1}{x^4} dx = -\frac{1}{3x^3} + C$

$\int \frac{1}{x^5} dx = -\frac{1}{4x^4} + C$

$\int \frac{1}{x^6} dx = -\frac{1}{5x^5} + C$

$\int \frac{1}{x^7} dx = -\frac{1}{6x^6} + C$

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

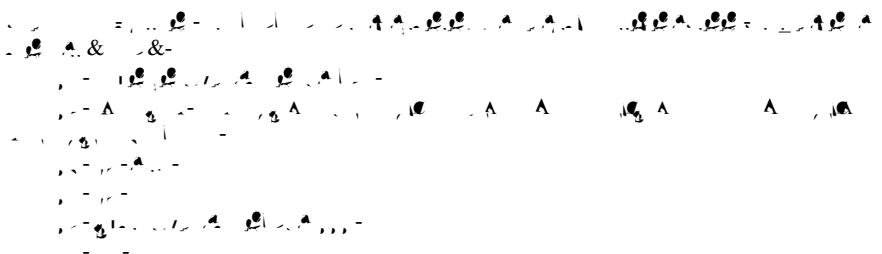
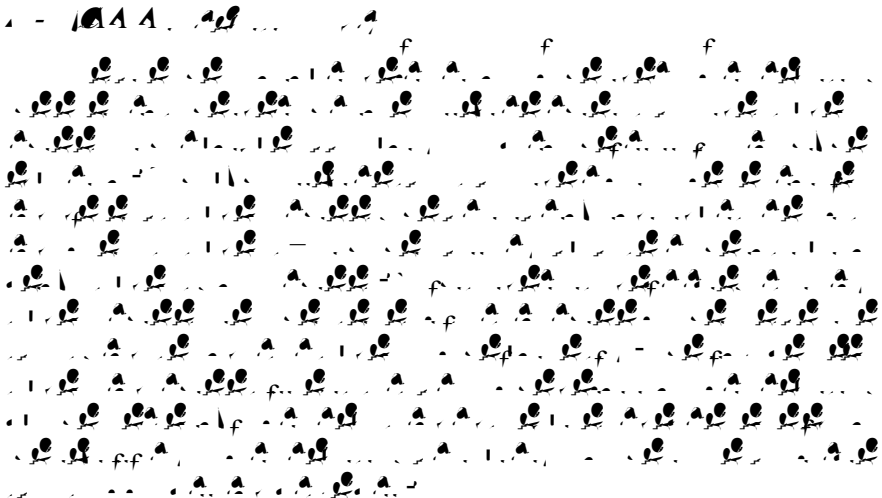
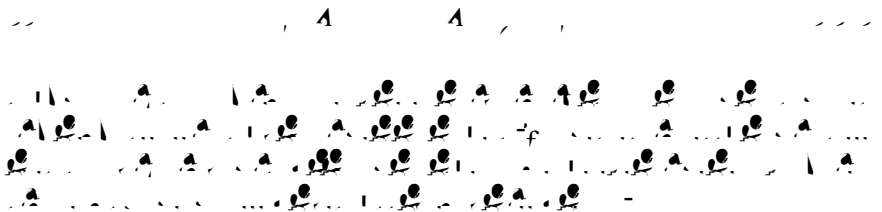








The image shows a page of handwritten musical notation on a single staff. The notation is dense and includes various note values, rests, and dynamic markings. At the top, there are some large, stylized characters that appear to be 'A A 3'. Below these, the notation begins with a treble clef and a key signature of one flat (B-flat). The music consists of several measures, each containing a series of notes, often beamed together. Dynamic markings such as 'f' (forte) and 'ff' (fortissimo) are interspersed throughout the piece. There are also some markings that look like 'IAA' or 'IAA' which might be specific performance instructions or part of a larger score. The handwriting is somewhat hurried and the ink is dark, making it difficult to read precisely. The overall impression is that of a working draft or a composer's sketch.



1.  $\frac{1}{x^2} = x^{-2}$

$\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

2.  $\frac{d}{dx} \sqrt{x} = \frac{d}{dx} x^{\frac{1}{2}} = \frac{1}{2} x^{-\frac{1}{2}} = \frac{1}{2\sqrt{x}}$

3.  $\frac{d}{dx} \ln x = \frac{1}{x}$

4.  $\frac{d}{dx} e^x = e^x$

5.  $\frac{d}{dx} \sin x = \cos x$

6.  $\frac{d}{dx} \cos x = -\sin x$

7.  $\frac{d}{dx} \tan x = \sec^2 x$

8.  $\frac{d}{dx} \cot x = -\operatorname{csc}^2 x$

9.  $\frac{d}{dx} \sec x = \sec x \tan x$

10.  $\frac{d}{dx} \operatorname{csc} x = -\operatorname{csc} x \cot x$

11.  $\frac{d}{dx} \arcsin x = \frac{1}{\sqrt{1-x^2}}$

12.  $\frac{d}{dx} \arccos x = \frac{-1}{\sqrt{1-x^2}}$

13.  $\frac{d}{dx} \arctan x = \frac{1}{1+x^2}$

14.  $\frac{d}{dx} \operatorname{arccot} x = \frac{-1}{1+x^2}$

15.  $\frac{d}{dx} \operatorname{arcsec} x = \frac{1}{x\sqrt{1-x^2}}$

16.  $\frac{d}{dx} \operatorname{arccsc} x = \frac{-1}{x\sqrt{1-x^2}}$

17.  $\frac{d}{dx} \operatorname{arcsec} x = \frac{1}{x\sqrt{1-x^2}}$

18.  $\frac{d}{dx} \operatorname{arccsc} x = \frac{-1}{x\sqrt{1-x^2}}$

19.  $\frac{d}{dx} \operatorname{arcsec} x = \frac{1}{x\sqrt{1-x^2}}$

20.  $\frac{d}{dx} \operatorname{arccsc} x = \frac{-1}{x\sqrt{1-x^2}}$

21.  $\frac{d}{dx} \operatorname{arcsec} x = \frac{1}{x\sqrt{1-x^2}}$

22.  $\frac{d}{dx} \operatorname{arccsc} x = \frac{-1}{x\sqrt{1-x^2}}$

23.  $\frac{d}{dx} \operatorname{arcsec} x = \frac{1}{x\sqrt{1-x^2}}$

24.  $\frac{d}{dx} \operatorname{arccsc} x = \frac{-1}{x\sqrt{1-x^2}}$

25.  $\frac{d}{dx} \operatorname{arcsec} x = \frac{1}{x\sqrt{1-x^2}}$

26.  $\frac{d}{dx} \operatorname{arccsc} x = \frac{-1}{x\sqrt{1-x^2}}$

27.  $\frac{d}{dx} \operatorname{arcsec} x = \frac{1}{x\sqrt{1-x^2}}$

28.  $\frac{d}{dx} \operatorname{arccsc} x = \frac{-1}{x\sqrt{1-x^2}}$

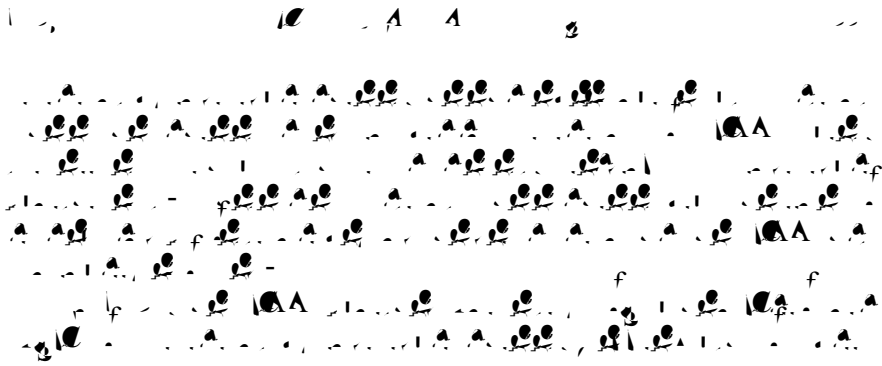
29.  $\frac{d}{dx} \operatorname{arcsec} x = \frac{1}{x\sqrt{1-x^2}}$

30.  $\frac{d}{dx} \operatorname{arccsc} x = \frac{-1}{x\sqrt{1-x^2}}$

ME1(A

Handwritten musical notation on a page. The notation includes various symbols such as notes, rests, and dynamic markings like 'f' and 'p'. The page is filled with dense, somewhat illegible handwriting, likely representing a musical score or a set of instructions. The notation is arranged in several lines across the page, with some larger symbols and markings interspersed among the smaller notes.





ME1(A



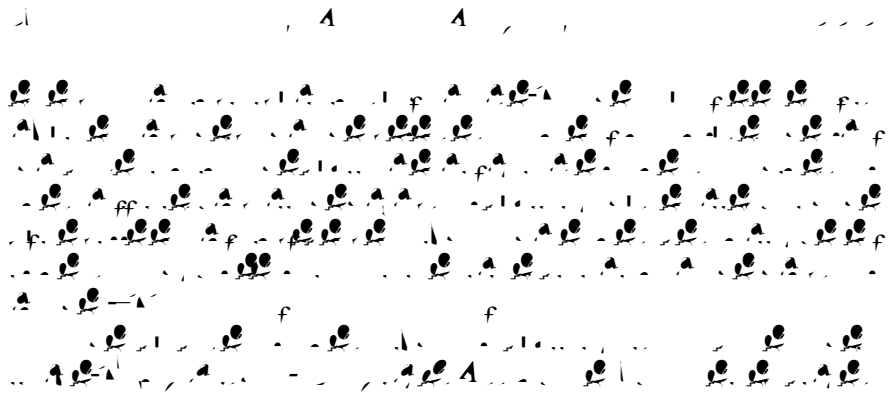
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Handwritten musical notation on a page with two systems of staves. The notation is dense and includes various musical symbols such as notes, rests, and dynamic markings like 'f' and 'ff'. The first system consists of two staves, and the second system also consists of two staves. The handwriting is somewhat messy and appears to be a student's work.

Handwritten musical notation on a page with two systems of staves. The notation is dense and includes various musical symbols such as notes, rests, and dynamic markings like 'f' and 'ff'. The first system consists of two staves, and the second system also consists of two staves. The handwriting is somewhat messy and appears to be a student's work.

Handwritten musical notation on a page with a horizontal line. The notation consists of multiple staves of music, featuring various notes, rests, and dynamic markings such as 'f' and 'ff'. The handwriting is dense and somewhat irregular, typical of a student's work. The notation is spread across the page, with a clear horizontal line separating the upper and lower sections of the page.

Handwritten musical notation located below a horizontal line. This section contains several lines of music, including notes, rests, and dynamic markings like 'f' and 'ff'. The notation is less dense than the upper section and appears to be a continuation or a separate piece of music.



Handwritten musical notation on a staff, featuring notes, rests, and dynamic markings such as *f* and *ff*. The notation includes various rhythmic values and articulation marks.

Handwritten musical notation on a staff, continuing the piece with notes, rests, and dynamic markings such as *f* and *ff*. The notation includes various rhythmic values and articulation marks.

Handwritten musical notation on a staff, including notes, rests, and dynamic markings such as *f* and *ff*. The notation includes various rhythmic values and articulation marks.



1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

The image displays a handwritten musical score for a string quartet, consisting of four staves. The notation includes various note values, rests, and dynamic markings such as 'f' (forte) and 'ff' (fortissimo). The score is densely written with musical symbols and clefs, indicating a complex piece of music. The handwriting is in black ink on a white background.

Handwritten musical notation, possibly a continuation or a specific section of the score, located below the main body of the page.



Handwritten musical notation on a staff, featuring various notes, rests, and dynamic markings such as 'f' and 'A'.

Handwritten musical notation on a staff, continuing the piece with notes, rests, and dynamic markings like 'f' and 'A'.

Handwritten musical notation on a staff with various notes, rests, and accidentals, including a key signature change to one flat and a dynamic marking of *ff*.

1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

ا  
ا a  
ا a  
ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا a a a

The image displays a handwritten musical score for a string quartet, consisting of four staves. The notation is dense and includes various musical symbols such as notes, rests, and dynamic markings. The first staff begins with a treble clef and a key signature of one flat (B-flat). The score is written in a cursive, handwritten style. Dynamic markings such as *f* (forte), *ff* (fortissimo), and *mf* (mezzo-forte) are interspersed throughout the piece. There are also several instances of the letters "A" and "B" written above the notes, possibly indicating specific sections or accents. The notation is somewhat cluttered, with many notes and stems overlapping, and some markings are difficult to read due to the handwriting. The overall appearance is that of a personal or working manuscript.

The image shows a page of handwritten musical notation. At the top, there is a header with the text "ME1 (AFSHAR) .DOC" on the left and "2/7/2015 12:40 PM" on the right. The main body of the page is filled with musical notation, including notes, stems, and beams, arranged in several systems. The notation is dense and appears to be a complex piece of music. There are some markings that look like "f" and "ff" scattered throughout the notation, possibly indicating dynamics. The handwriting is somewhat irregular, suggesting it was written by hand. The overall appearance is that of a student's work or a composer's draft.

