

16 lap
magyar nyelvű
megyes feljegyzések

Handwritten mathematical notes and diagrams on aged paper.

Top right: BF89H

Diagrams:

- A circle with a horizontal line passing through its center, labeled with 'a' and 'b'.
- A triangle with a horizontal base and a vertical line segment drawn from the top vertex to the base.

Text and Equations:

Left side (partially obscured):

- $13 : A = b : a$
- $14 : m + b = b : a$
- $15 : b : m + a = a$
- $16 : m + a = b : a$

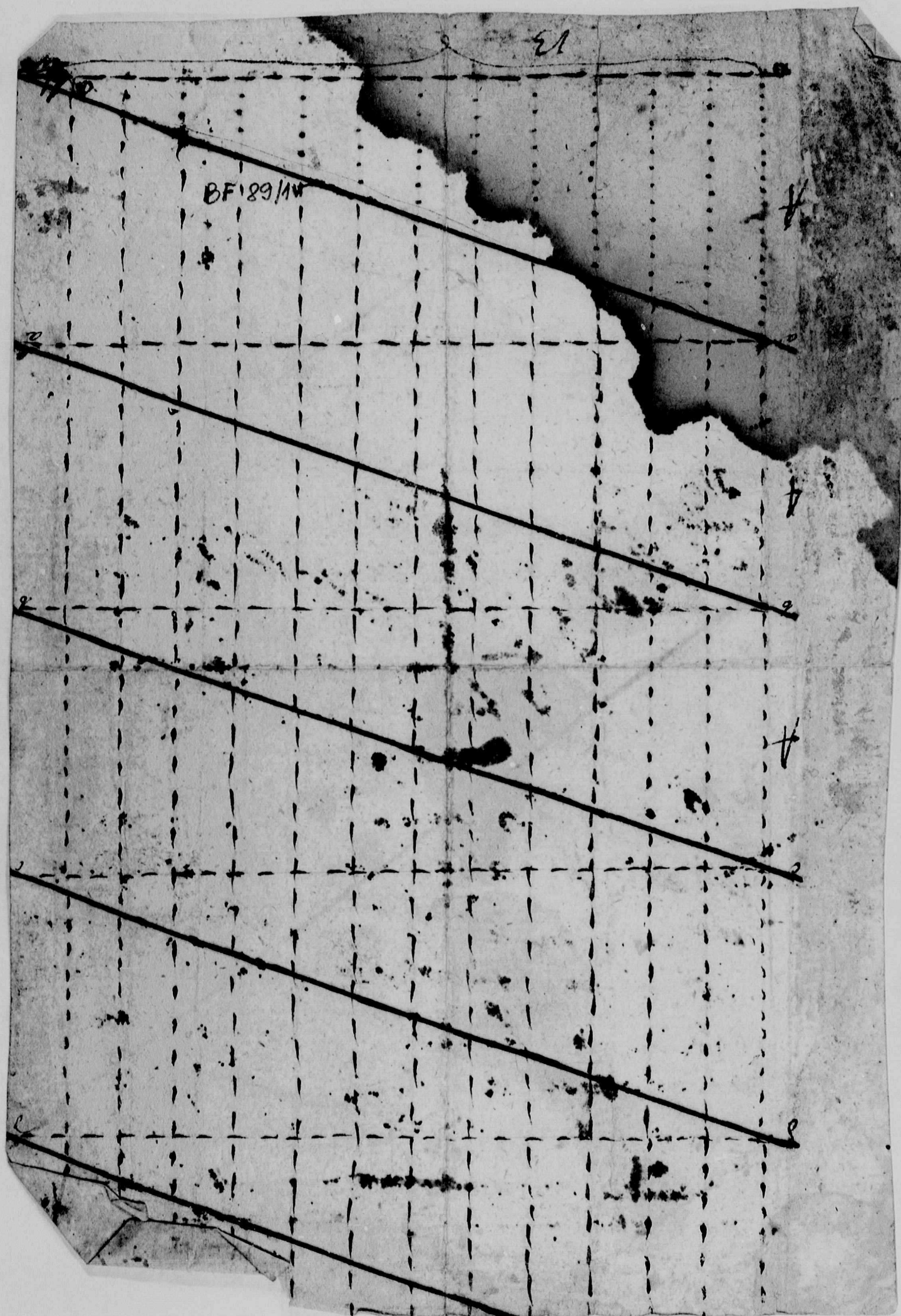
Right side:

- $13 : A = b : a$
- $14 : m + b = b : a$
- $15 : b : m + a = a$
- $16 : m + a = b : a$

Bottom section (crossed out with a large 'X'):

OKa mlyon emen, huz a mlyon
a ar a'be poy, emen poy
a keizonek o tengelyel paralle
ar a'be poy, dehis ar
alaimo helican aroney, de
a'rectory a bafic be feli
apad, oki feli nu

Bottom right: $13 : A = b : a$



$$\cos[(1+x)] = 1 - \frac{[(1+x)]^2}{2} + \frac{[(1+x)]^4}{24} - \frac{[(1+x)]^6}{720} + \dots$$

$$\sin[(1+x)] = \frac{[(1+x)]}{1} - \frac{[(1+x)]^3}{6} + \frac{[(1+x)]^5}{120} - \frac{[(1+x)]^7}{5040} + \dots$$

$$(1+x) = x - \frac{x^2}{2} + \frac{x^3}{6} - \frac{x^4}{24} + \frac{x^5}{120} - \frac{x^6}{720} + \dots$$

$$i - \frac{x^2}{2}$$

$$-V-i+i+2+2V-i$$

$$V-i-3$$

$$1+V-i+2V-i+3V-i-3-2V-i$$

$$1.V-i+2V-i+3V-i-3-2V-i$$

$$V-i \cdot \frac{(1-V-i)^2}{2} \cdot \frac{(3+V-i)^3}{2.3.4} - \frac{10V-i+40}{2.3.4.5} + \frac{100V-i+400}{2.3.4.5.6} - \dots$$

$$1+V-i \cdot \frac{[(1+x)]^2}{2} + V-i \cdot \frac{[(1+x)]^3}{6} - \frac{[(1+x)]^4}{24} + \dots$$

$$V-i \cdot \frac{x^2}{2} - \frac{V-i \cdot x^2}{2} + \frac{x^3}{6} + \frac{V-i \cdot x^3}{6} - \frac{x^4}{24} - \frac{V-i \cdot x^4}{24} + \dots$$

$$\frac{3x^4}{3.4.2} - \frac{2x^4 \cdot 4}{3.2.4} - \frac{x^4}{2.3.4} = \frac{-10x^4}{2.3.4.5} = \frac{-10x^4}{120} = \frac{-x^4}{12}$$

$$\cos \alpha + i \sin \alpha = e^{i\alpha} \quad \text{for } \alpha = \pi \quad \cos \pi = -1, \sin \pi = 0$$

$$(-1)^q = e^{iq\pi} = \cos q\pi + i \sin q\pi = (e^{i\pi})^q = (-1)^q$$

Pro $q=0$, $\cos 0 = 1, \sin 0 = 0$, $e^{i0} = 1$

Pro $q=1$, $\cos \pi = -1, \sin \pi = 0$, $e^{i\pi} = -1$

Pro $q=2$, $\cos 2\pi = 1, \sin 2\pi = 0$, $e^{i2\pi} = 1$

Pro $q=3$, $\cos 3\pi = -1, \sin 3\pi = 0$, $e^{i3\pi} = -1$

Pro $q=4$, $\cos 4\pi = 1, \sin 4\pi = 0$, $e^{i4\pi} = 1$

Pro $q=5$, $\cos 5\pi = -1, \sin 5\pi = 0$, $e^{i5\pi} = -1$

Pro $q=6$, $\cos 6\pi = 1, \sin 6\pi = 0$, $e^{i6\pi} = 1$

Pro $q=7$, $\cos 7\pi = -1, \sin 7\pi = 0$, $e^{i7\pi} = -1$

Pro $q=8$, $\cos 8\pi = 1, \sin 8\pi = 0$, $e^{i8\pi} = 1$

Pro $q=9$, $\cos 9\pi = -1, \sin 9\pi = 0$, $e^{i9\pi} = -1$

Pro $q=10$, $\cos 10\pi = 1, \sin 10\pi = 0$, $e^{i10\pi} = 1$

Pro $q=11$, $\cos 11\pi = -1, \sin 11\pi = 0$, $e^{i11\pi} = -1$

Pro $q=12$, $\cos 12\pi = 1, \sin 12\pi = 0$, $e^{i12\pi} = 1$

Pro $q=13$, $\cos 13\pi = -1, \sin 13\pi = 0$, $e^{i13\pi} = -1$

Pro $q=14$, $\cos 14\pi = 1, \sin 14\pi = 0$, $e^{i14\pi} = 1$

Pro $q=15$, $\cos 15\pi = -1, \sin 15\pi = 0$, $e^{i15\pi} = -1$

Pro $q=16$, $\cos 16\pi = 1, \sin 16\pi = 0$, $e^{i16\pi} = 1$

Pro $q=17$, $\cos 17\pi = -1, \sin 17\pi = 0$, $e^{i17\pi} = -1$

Pro $q=18$, $\cos 18\pi = 1, \sin 18\pi = 0$, $e^{i18\pi} = 1$

Pro $q=19$, $\cos 19\pi = -1, \sin 19\pi = 0$, $e^{i19\pi} = -1$

Pro $q=20$, $\cos 20\pi = 1, \sin 20\pi = 0$, $e^{i20\pi} = 1$

Pro $q=21$, $\cos 21\pi = -1, \sin 21\pi = 0$, $e^{i21\pi} = -1$

Pro $q=22$, $\cos 22\pi = 1, \sin 22\pi = 0$, $e^{i22\pi} = 1$

Pro $q=23$, $\cos 23\pi = -1, \sin 23\pi = 0$, $e^{i23\pi} = -1$

Pro $q=24$, $\cos 24\pi = 1, \sin 24\pi = 0$, $e^{i24\pi} = 1$

Pro $q=25$, $\cos 25\pi = -1, \sin 25\pi = 0$, $e^{i25\pi} = -1$

Pro $q=26$, $\cos 26\pi = 1, \sin 26\pi = 0$, $e^{i26\pi} = 1$

Pro $q=27$, $\cos 27\pi = -1, \sin 27\pi = 0$, $e^{i27\pi} = -1$

Pro $q=28$, $\cos 28\pi = 1, \sin 28\pi = 0$, $e^{i28\pi} = 1$

Pro $q=29$, $\cos 29\pi = -1, \sin 29\pi = 0$, $e^{i29\pi} = -1$

Pro $q=30$, $\cos 30\pi = 1, \sin 30\pi = 0$, $e^{i30\pi} = 1$