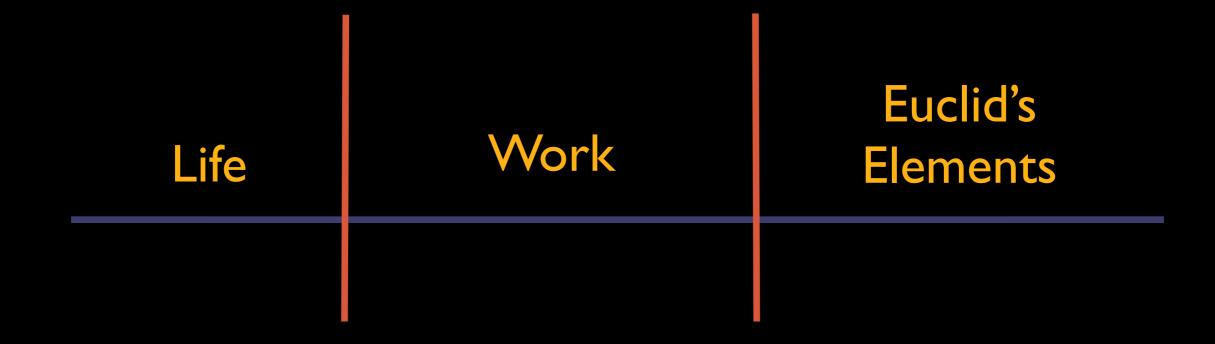
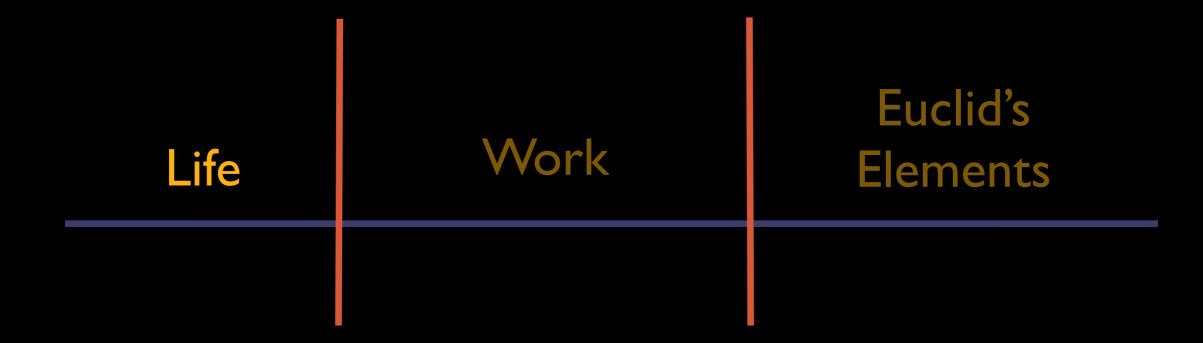


Oliver Byrne

"The Matisse of Mathematics"





Life

(1810 - 1880)

Mathematician

Educator

Author

Civil Engineer

Activist

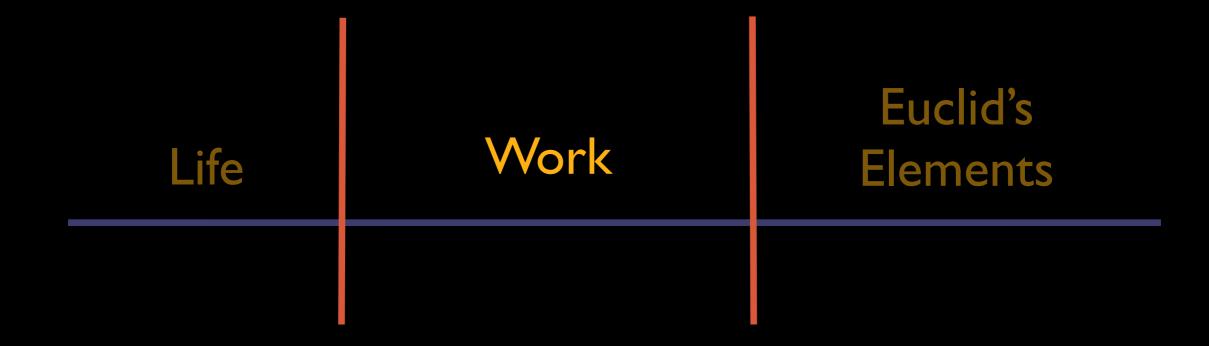
Professor

Inventor

Husband

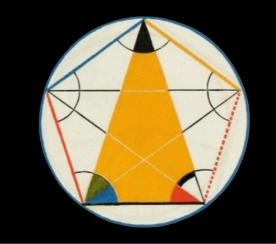
(almost) Surveyor





THE MATHEMATICS OF A CREED.

E. B. REVILO.

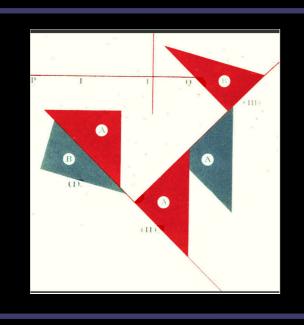


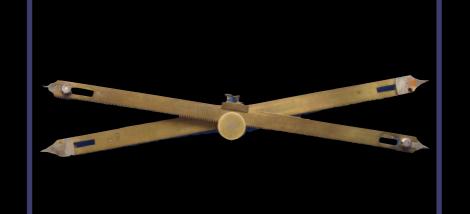
MEASURE THE EARTH

WITH THE ASSISTANCE

OF

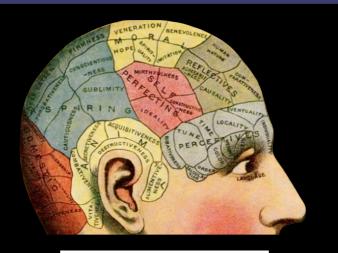
RAILROADS







IRISH FREEDOM.



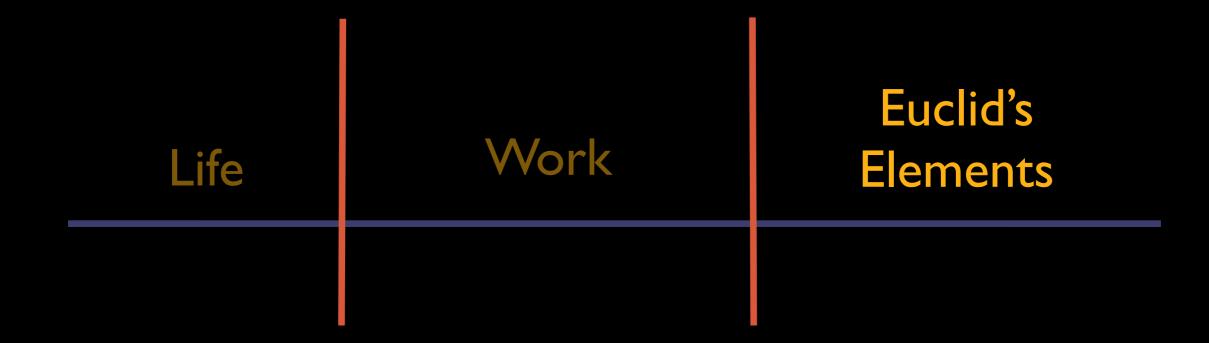
THE CALCULUS OF FORM.

FALLACIES



"I have met with nothing but difficulties and disappointments"

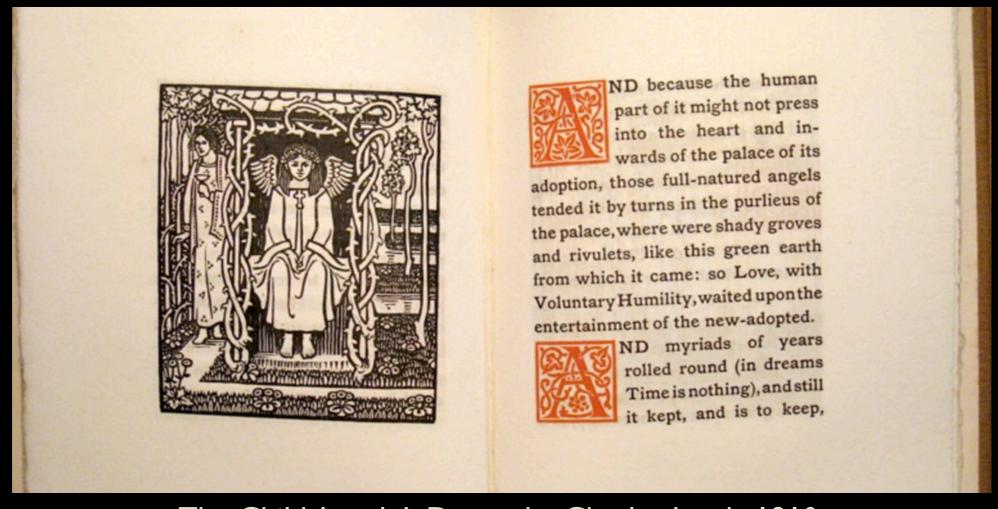
- Oliver Byrne in an Royal Literary Fund application (27 November 1873)



Chiswick Press - 1847

Publisher: William Pickering

Printer: Charles Whittingham



The Child Angel; A Dream by Charles Lamb, 1910

Euclid's Elements



INTRODUCTION.



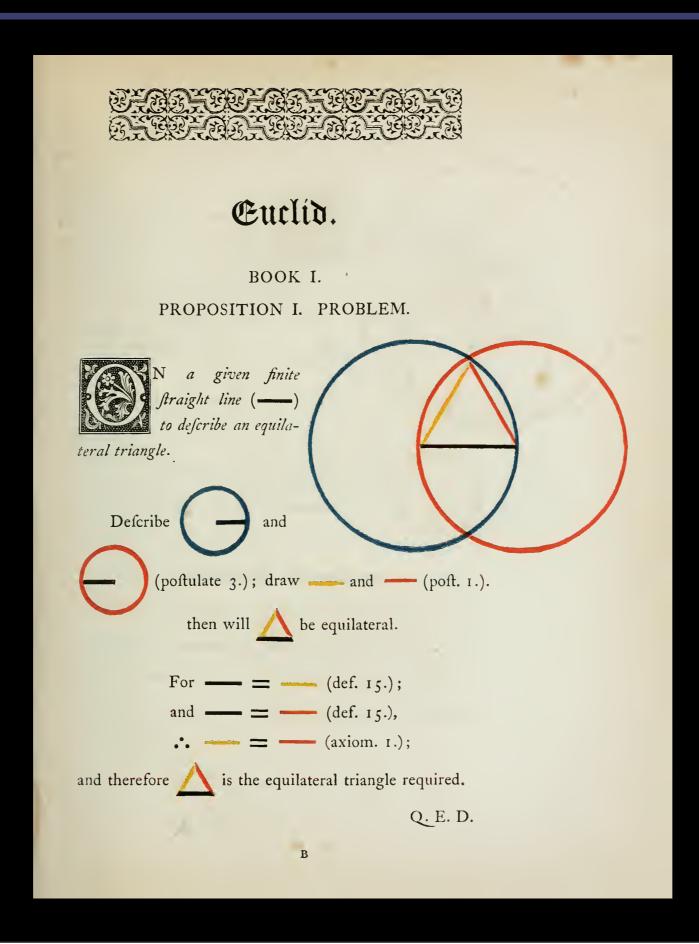
HE arts and sciences have become so extensive, that to facilitate much importance as to extend their boundary in the state of the property in the state of the st

study, will at least make it more agreeable. This Work has a greater aim than mere illustration; we do not introduce colours for the purpose of entertainment, or to amuse by certain combinations of tint and form, but to affift the mind in its researches after truth, to increase the facilities of instruction, and to diffuse permanent knowledge. It we wanted authorities to prove the importance and usefulness of geometry, we might quote every philosopher fince the days of Plato. Among the Greeks, in ancient, as in the school of Pestalozzi and others in recent times, geometry was adopted as the best gymnastic of the mind. In fact, Euclid's Elements have become, by common consent, the basis of mathematical science all over the civilized globe. But this will not appear extraordinary, if we confider that this fublime science is not only better calculated than any other to call forth the spirit of inquiry, to elevate the mind, and to strengthen the reasoning faculties, but also it forms the best introduction to most of the useful and important vocations of human life. Arithmetic, land-surveying, menfuration, engineering, navigation, mechanics, hydrostatics, pneumatics, optics, physical astronomy, &c. are all dependent on the propositions of geometry.

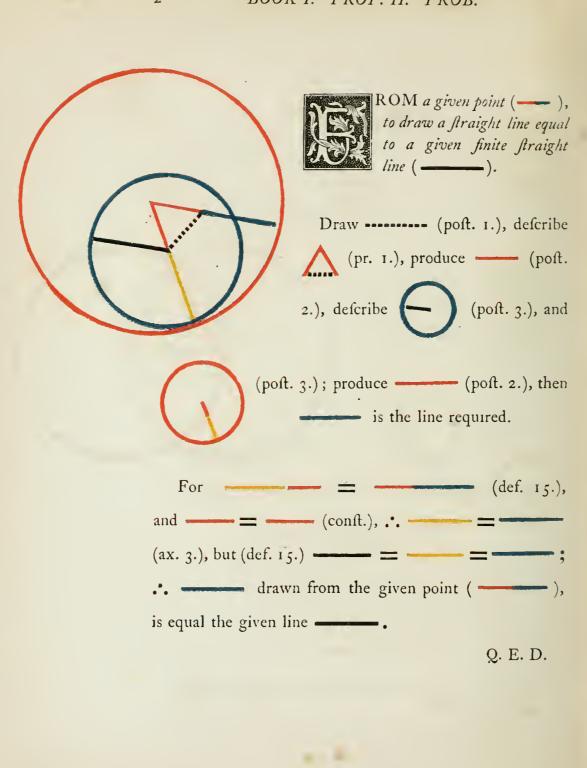
THIS WORK

has a greater aim than mere illustration; we do not introduce colours for the purpose of entertainment, or to amuse by certain combinations of tint and form, but to affift the mind in its researches after truth, to increase the facilities of instruction, and to diffuse permanent knowledge. If we

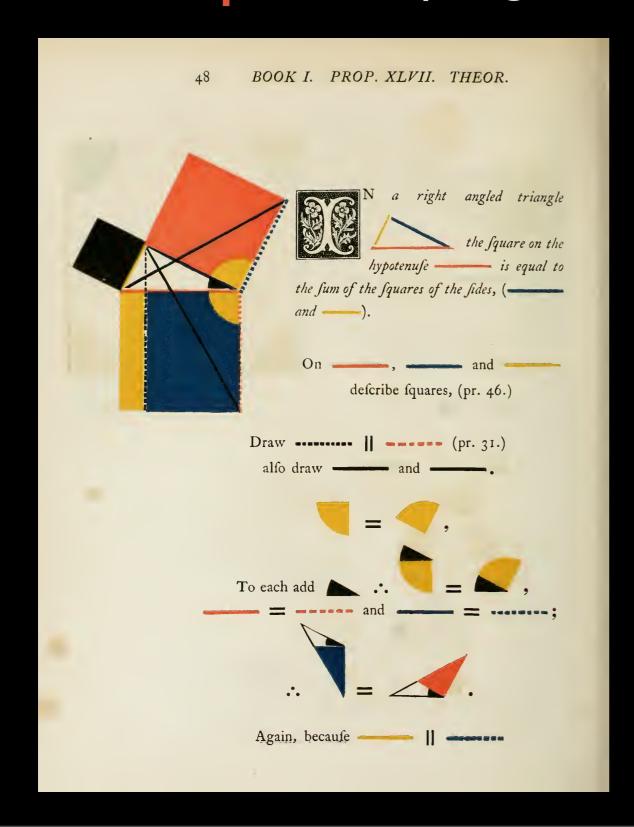
Wednesday, September 27, 17

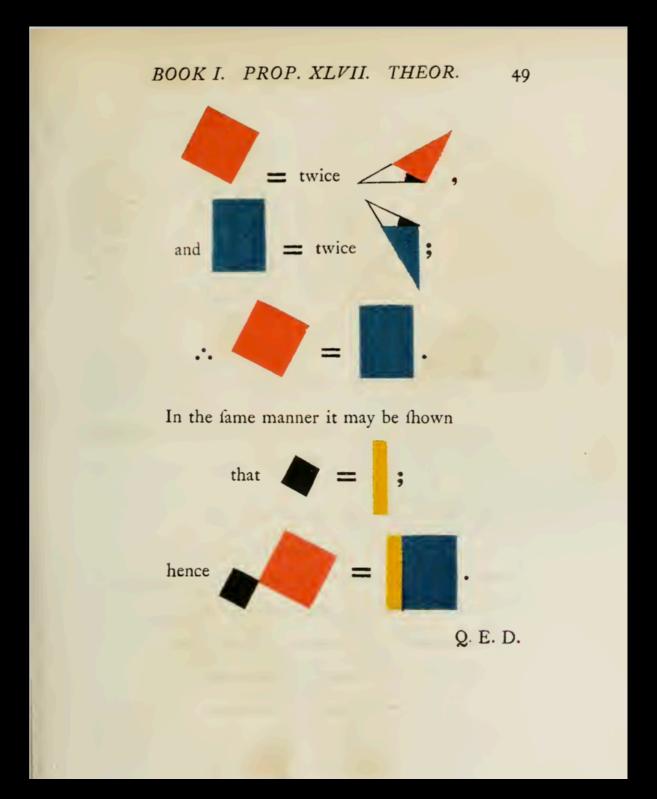


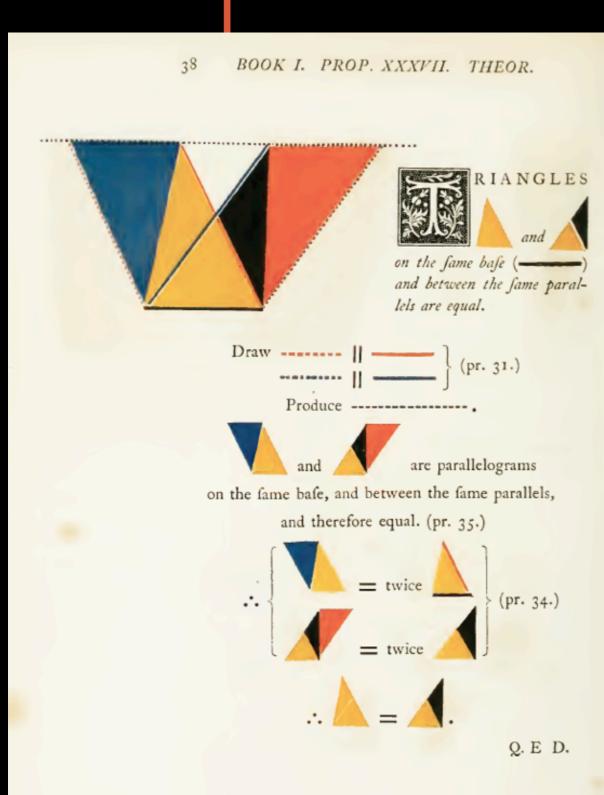
BOOK I. PROP. II. PROB.

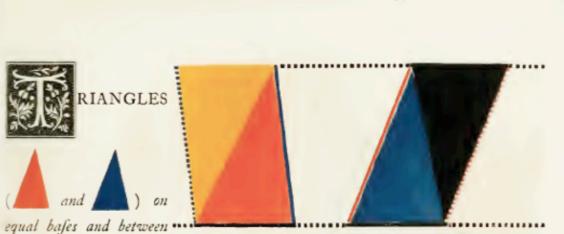


Pythagorean Theorem Proof



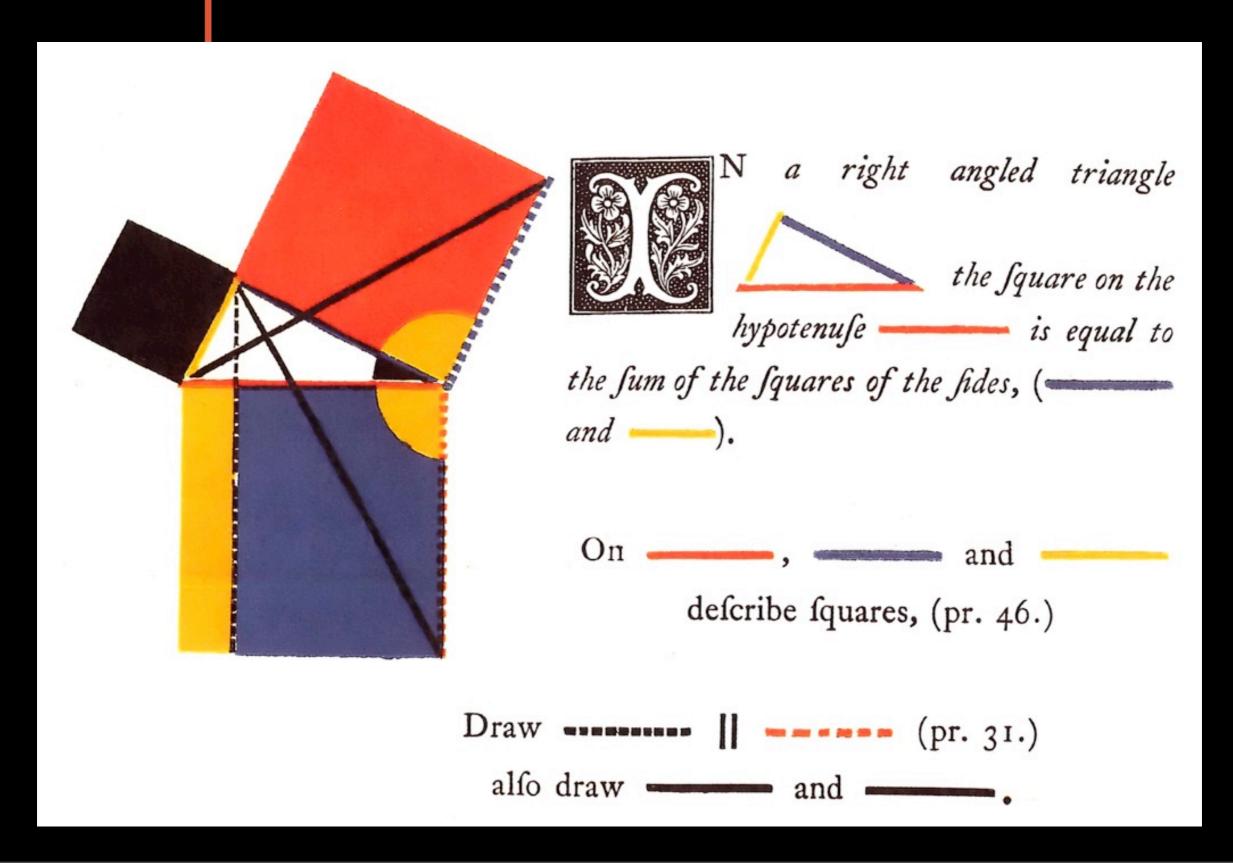






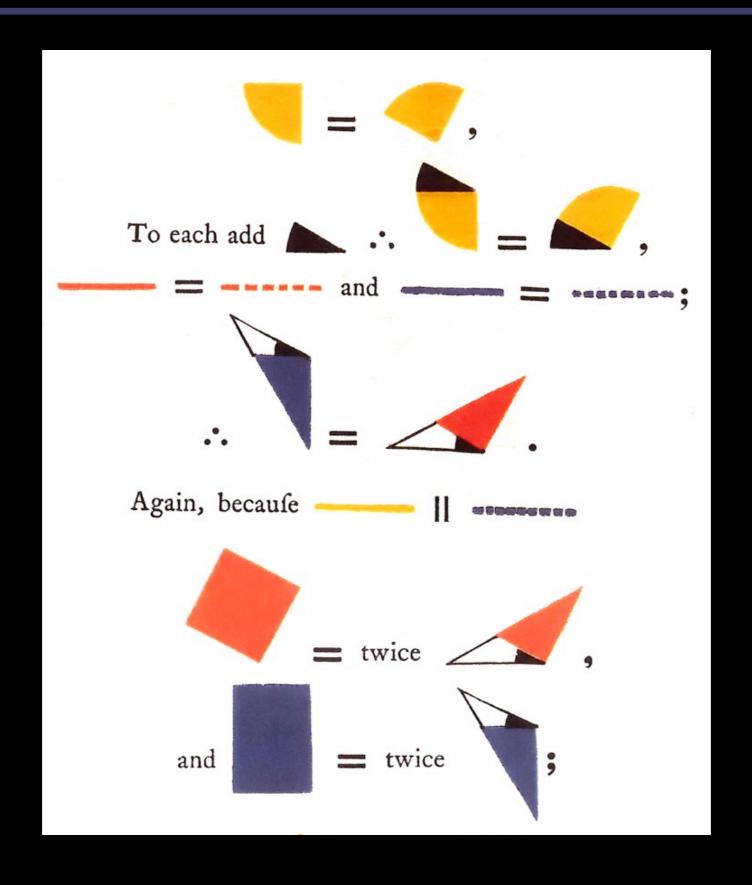
BOOK I. PROP. XXXVIII. THEOR.

the fame parallels are equal.



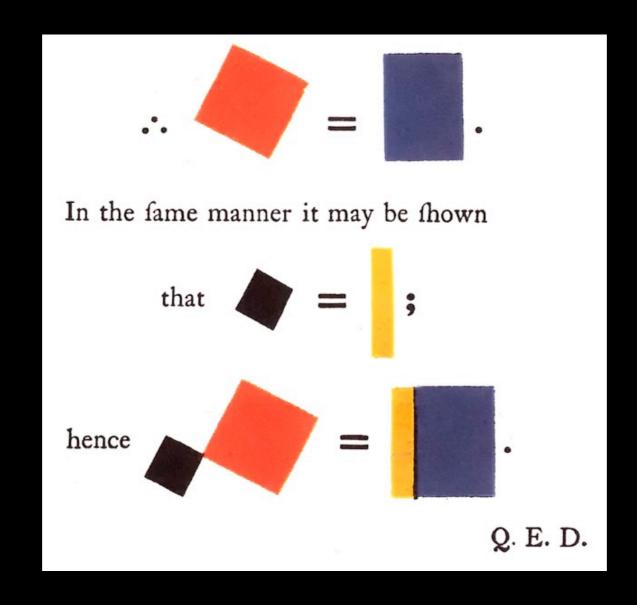
Euclid's Elements

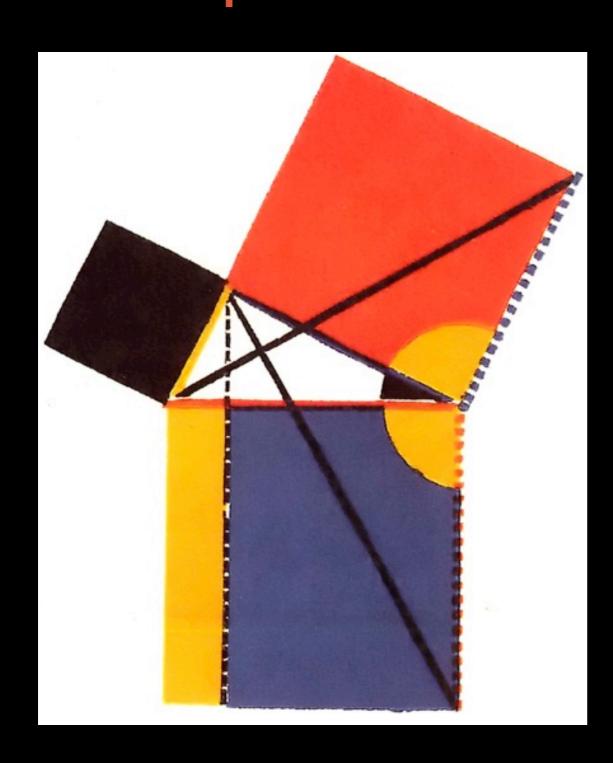




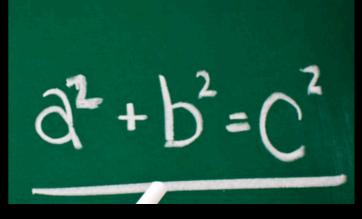
Euclid's Elements







VS.



7