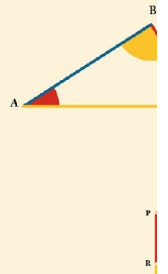


BYRNE'S EUCLID

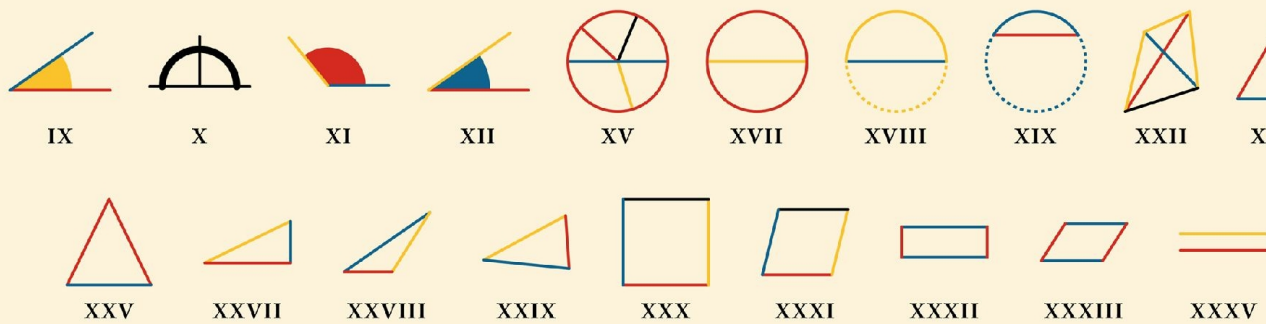
A collection of every geometric illustration
from Oliver Byrne's colorful 1847 edition of
Euclid's *Elements*.

Explore online at c82.net/euclid • By Nicholas Rougeux

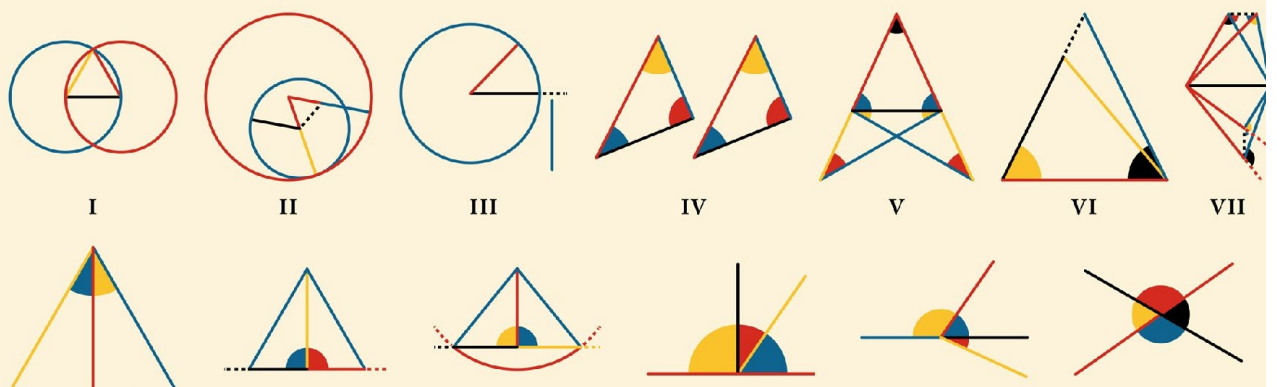


BOOK I.

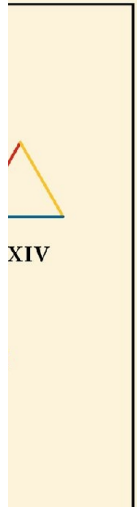
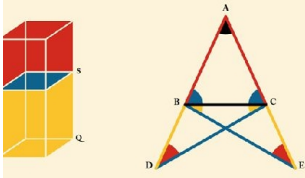
DEFINITIONS.



PROPOSITIONS.



INTRODUCTION.



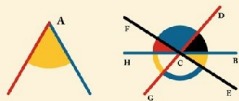
XIV

AXIOMS.



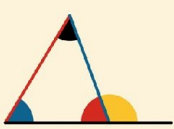
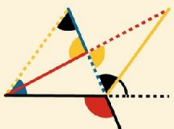
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ELUCIDATIONS.



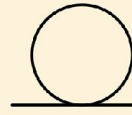
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IX



BOOK

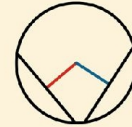
DEFINITIONS



II



III



IV

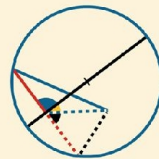


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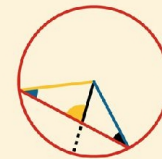


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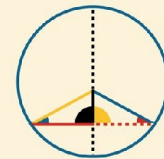
PROPOSITIONS



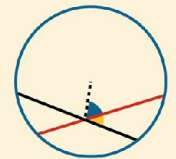
I



II



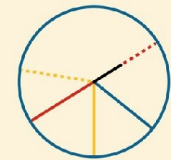
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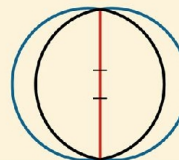
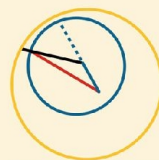
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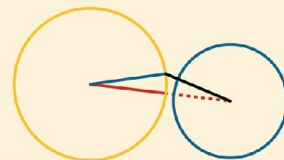
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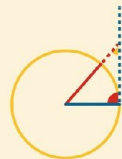
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XIII



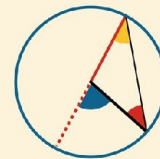
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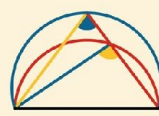
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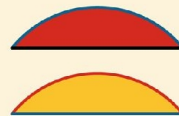
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XX



XXIII



XXIV



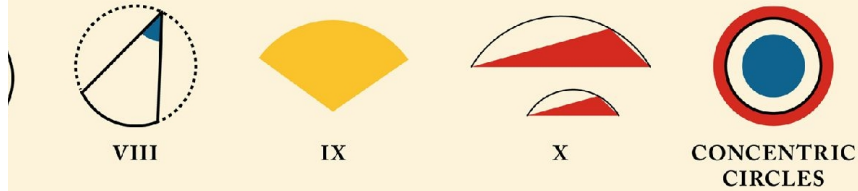
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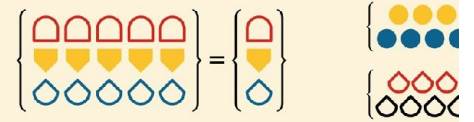
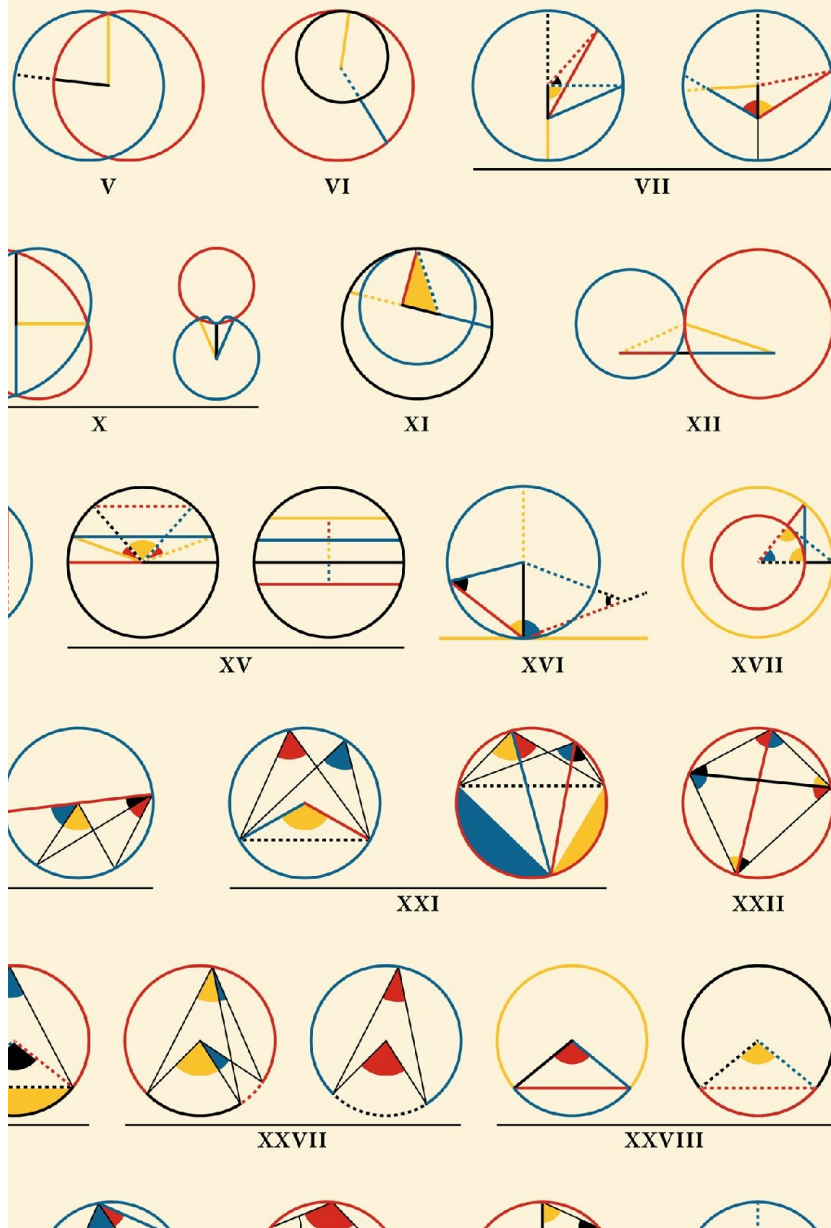
XXVI

BOOK III.

PROPOSITIONS.

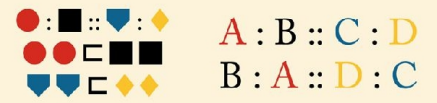


PROPOSITIONS.



PROP. I.

PROP.



PROP. A.

DEF. XIV.



PROP. IX.

PROP. X.



DEF. XIII.

PROP. XVI.



"Convertendo"

DEF. XVII.

PROP. E.



PROP. XXII.

PROP. XXIII.

$$\frac{A \times B \times C \times D \times E}{B \times C \times D \times E \times A}$$

DEF. A.

BOOK V.

 II.	 PROP. III.	 DEF. V.	 PROP. IV.	 PROP. V.	 PROP. VI.
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 PROP. B.	 PROP. C.	 PROP. D.	 PROP. VII.	 DEF. VII.	 PROP. VIII.
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 PROP. XI.	 PROP. XII.	 PROP. XIII.	 PROP. XIV.	 PROP. XV.
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$A : B :: C : D$ $B : B :: C - D : D$ DEF. XVI.	 PROP. XVII.	$A : B :: C : D$ $A + B : B :: C + D : D$ DEF. XV.	 PROP. XVIII.	 PROP. XIX.
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 DEF. XVIII.	<p style="text-align: center;">“Ex æquali” (fc. distantiâ)</p> DEF. XIX.	A, B, C, D, E, F L, M, N, O, P, Q $A : F :: L : Q$ DEF. XIX.	A, B, C, D, E, F L, M, N, O, P, Q $A : F :: L : Q$ DEF. XX.	 PROP. XX.	 PROP. XXI.
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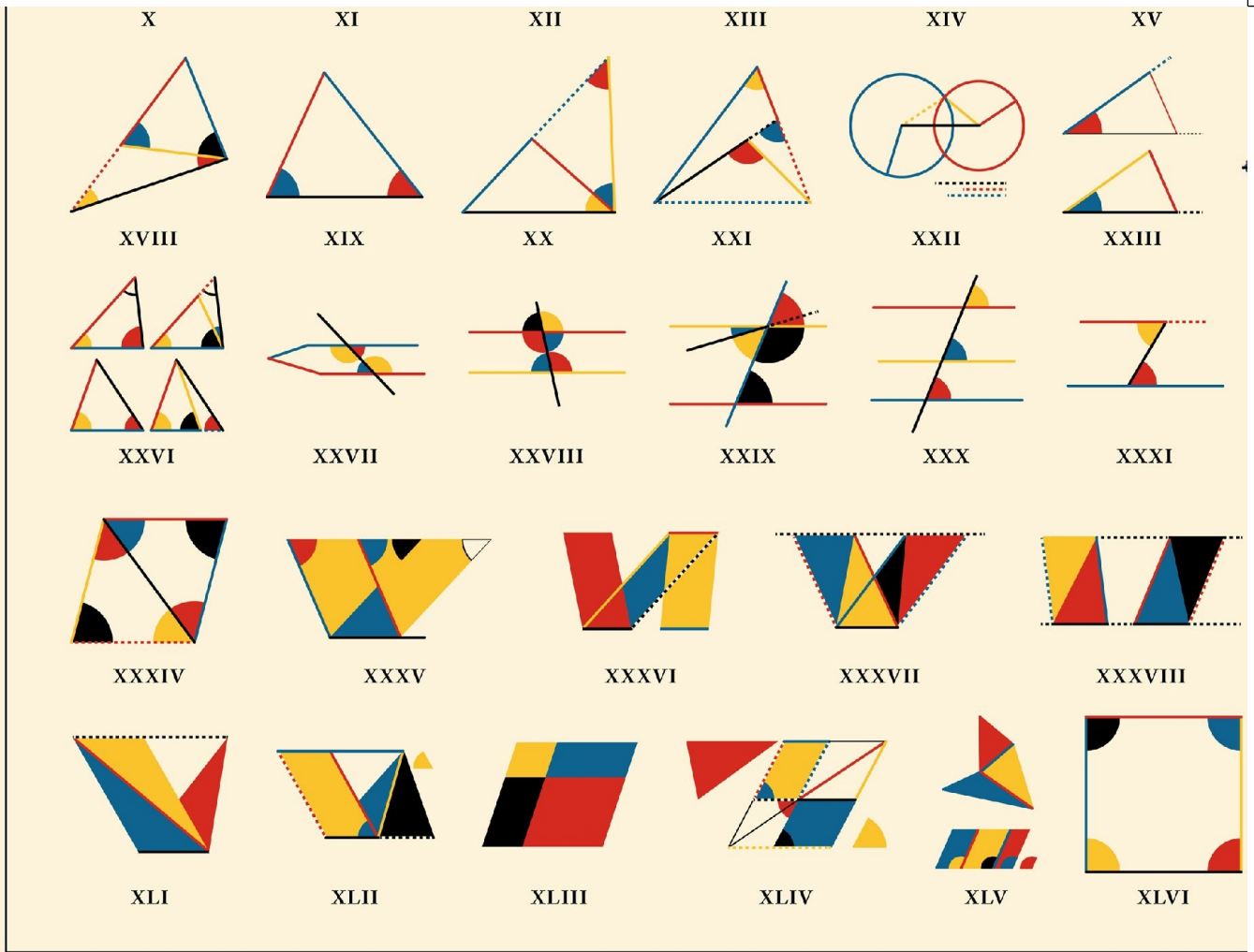
 PROP. XXIV.	 PROP. XXV.	$ar^2 : ar :: ar : a$ DEF. X.	$ar^3 : ar^2 :: ar^2 : ar :: ar : a$ DEF. XI.
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$E = \frac{A}{F}$ $A : B :: F : G$ $B : C :: G : H$ $C : D :: H : K$ $D : E :: K : L$ $A : E = F : L$ DEF. F.	$\frac{P}{Q} = \frac{A}{B} = \frac{a}{b} = \frac{V}{W}$ $\frac{Q}{R} = \frac{C}{D} = \frac{c}{d} = \frac{X}{Y}$ $\frac{R}{S} = \frac{E}{F} = \frac{e}{f} = \frac{X}{Y}$ $\frac{S}{T} = \frac{G}{H} = \frac{g}{h} = \frac{Y}{Z}$ $\frac{P}{T} = \frac{V}{Z}$ DEF. G.	$A : B, B : C,$ $C : D, D : E, E : F,$ $F : G, G : H,$ $P : Q, Q : R,$ $R : S, S : T, T : X$ $E : H = R : X$ DEF. H.	$A : B = a : b$ $C : D = b : c$ $E : F = c : d$ $G : H = d : e$ $K : L = e : f$ $M : N = f : g$ $Q : P = b : k$ $R : k = l$ $S : T = l : m$ $V : W = m : n$ $X : Y = n : p$ $a : g = b : p$ DEF. K.
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BOOK VI.

DEFINITIONS.





BOOK II.

DEFINITIONS.



I



II

PROPOSITIONS.



I



II



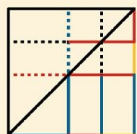
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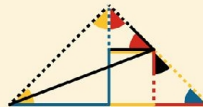
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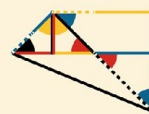
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VIII



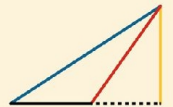
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X

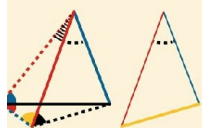


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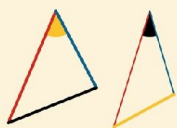


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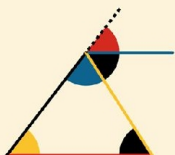
XVI



XVII



XXIV



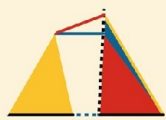
XXV



XXXII



XXXIII



XXXIX



XL



XLVII

XLVIII

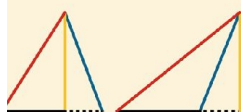
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VII



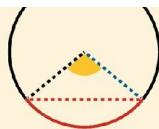
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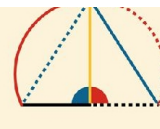
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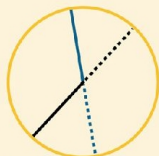
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XXX



XXXIV

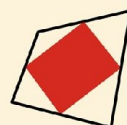


XXXV



BOO

DEFINI



I

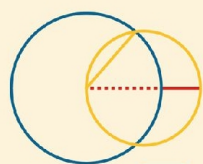


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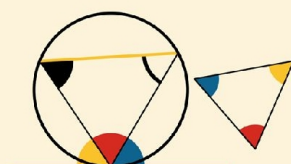


IV

PROPOS



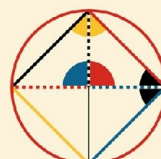
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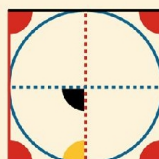
II



III



VI



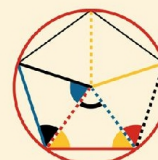
VII



VIII



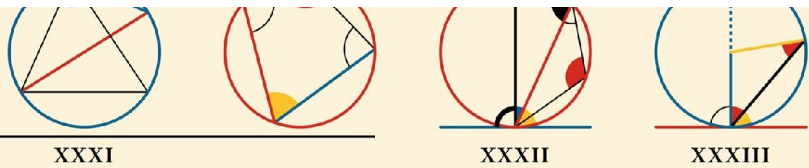
IX



XIV



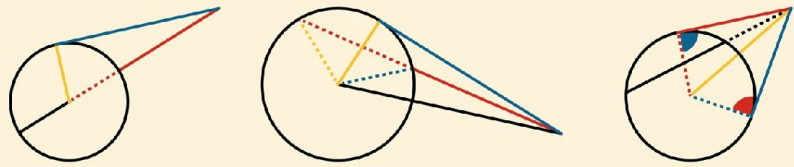
XV



XXXI

XXXII

XXXIII

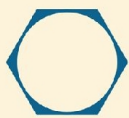


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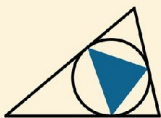
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K IV.

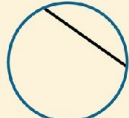
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V

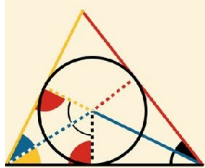


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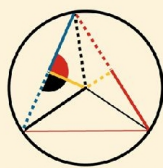


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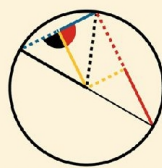
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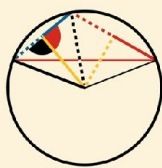
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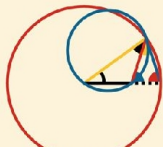
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V



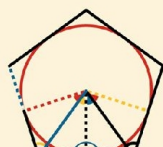
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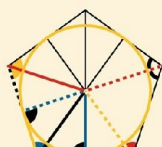
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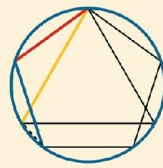
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XIII



V



XVI



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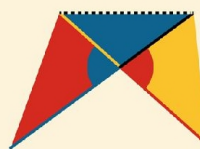
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VIII



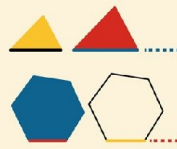
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XV



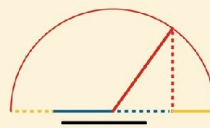
XVI



XXII



XXIII



XXIX



XXX

PROPOSITIONS.

