Elements, Book XII
Reproduced Diagrams from Greek manuscripts

Comments to each proposition.

12-2  The lemma at the end of this proposition XII.2 is absent in Bologna manuscript (hereafter b).
12-5  The diagram in Heiberg’s edition is divided in two pages. The two pyramids appear first, and the parallelopiped appears in the following facing pages.
12-6  This proposition is absent in b.
12-7  This proposition corresponds to XII.6 in b.
12-8, 9 The order of proposition 8 and 9 is inverted in b, so that XII.8 corresponds to XII.8 (b), and XII.9 to XII.7 (b).
      In the diagrams of XII.7 (b), I have added the line AG and moved the line EPI to EH.
      In the diagrams of XII.8 (b), I have moved the line KG to AG, and Eη to EH.
12-10 This proposition corresponds to XII.9 in b.
12-11, 12 The order of proposition 11 and 12 is inverted in b, so that XII.11 corresponds to XII.11 (b), XII.12 to XII.10 (b).
      I have changed/supplied some labels in XII.10 (b) following its text.
      I have changed/supplied some labels in XII.11 (b) following its text.
12-13 This proposition corresponds to XII.12 in b. I have changed some labels in codex b (XII.12) following its text.
12-14 This proposition corresponds to XII.13 in b. I have changed one label in codex b (XII.13) following its text.
12-15 This proposition corresponds to XII.14 in b.
12-16 This proposition corresponds to XII.15 in b.
12-17 This proposition corresponds to XII.16 in b.
12-18 This proposition corresponds to XII.17 in b.
Proposition XII.1 (b XII.1)

Heiberg

codex P

codex F (in margin)

codex B

codex V
Proposition XII.2 (b XII.2)

codex b

Heiberg

codex P

codex F

codex B

codex V
Proposition XII.2 lemma

This lemma is absent in codex b.
Proposition XII.3 (b XII.3)
Proposition XII.4 (b XII.4)

codex b

Heiberg

codex P  
codex B  
codex V
Proposition XII.5 (b XII.5)
Proposition XII.6

This proposition is absent in codex b.
Proposition XII.7 (b XII.6!)

codex b

Heiberg

codex P

codex B

codex V
Proposition XII.8 (b XII.8)
Proposition XII.9 (b XII.7!)

Heiberg

codex b

codex P

codex B

codex V
Proposition XII.10 (b XII.9!)

Heiberg
Proposition XII.11 (b XII.11)

Heiberg

codex P

codex V

codex B
Proposition XII.12 (b XII.10!)

Heiberg

| codex b |

| codex P |

| codex B |

| codex V |
Proposition XII.13 (b XII.12)
Proposition XII.14 (b XII.13)

Heiberg

codex b

H] N  b.

codex P

codex B

codex V
Proposition XII.15 (b XII.14)

codex b

Heiberg

codex P

codex B

codex V
Proposition XII.16 (b XII.15)
Proposition XII.17 (b XII.16)

codex b

Heiberg
codex B

codex V first diagram

codex V second diagram
Proposition XII.18 (b XII.17)

Hilberg