

Appendix

Table X shows the contents of the British Library manuscripts Add. MS 6782, 3 and 4, which contain almost all of Harriot's work in algebra and also the Harriot papers on solution of equations which were separated from the others in the British Library and copies are now in the Public Record Office at Chichester. The left-hand column gives the folio number in the manuscript, the next column gives the number in the top left-hand corner of the manuscript page as given by Harriot, and the third gives a brief account of the content. Not every page is included, as the selection has been on the basis of the existence of such a page-numbering by Harriot, the relevance of the content to the contents of the *Praxis*, or both of these. (Virtually all of the verso pages are scrap or "waste" as Harriot spoke of in his Will.)

Inevitably, such a selection process has a subjective element, for instance, in estimating what is scrap or waste. There are also some unknowables such as whether some papers have been destroyed. We can do no more than our best in this situation. We have to take what there is as evidence, order the material as best we can in accordance with such evidence and trust that our judgement of what is irrelevant or waste is not too far from the truth.

TABLE X

Add. MS 6782

| Folio | Top left-hand label (by Harriot) | Content |
|-------|----------------------------------|------------------------|
| 2 | f c. 11 | Numerical calculations |
| [3-6 | - | " "] |
| 7 | f c. 1 | Numerical calculations |
| 8 | f c. 2 | " " |
| 9 | f c. 5 | " " |
| 10 | f c. 6 | " " |

| Folio | Top left-hand label (by Harriot) | Content |
|-----------|----------------------------------|--|
| 11 | f c. 9 | “ “ |
| 12 | c. 1 | Calculations (numerical) |
| 13 | c. 1 | “ |
| 14 | c. 2 | “ |
| 15 | c. 3 | “ |
| 16 | c. 4 | “ |
| 17 | c. 4) 2D | “ |
| 18 | c. 5 | “ |
| 19 | c. 6 | “ |
| 20 | c. 6) 2 | “ |
| 21 | c. 7 | “ |
| 22 | f b. 1 | Lists of numbers (?) meaning unclear |
| 23 | f b. 2 | Calculations (numerical) |
| 24 | f b. 1 | “ |
| 25 | f b. 5 | “ |
| 26 | f a.1) f b. 1 | “ |
| 27–106 | - | Letter and number – squares |
| 84–88 | 1) to 4) | Combinatorial? Miscellaneous calculation. Waste pages? Combinations and Transpositions Figurative numbers, progressions |
| 107–144 | 1–36 | Triangular numbers and progressions, some not in Harriot's hand? Miscellaneous algebra (not Theory of Equations) |
| 147 | A.1 | “ “ |
| 148 | A.1 | “ “ |
| 149, 150 | A2, A3 | “ “ |
| 181–183 | - | Multiplication of binomial factors up to $(b + c + d)^4$ |
| 187 | c. 3.d | Miscellaneous equalities (waste?) [Curious sign?] |
| 188 | c. 2 | Algebra (waste?) |
| 189 | c. 2.aliter | Algebra (waste?) |
| 190 | c. 2 | Algebra? (waste?) |
| 191 | c. 3 | Algebra? (waste?) |
| 192 | c. 4 | “ “ |
| 264 | Euclid:lib:13 | Geometrical work |
| 314 | B | Canonical equations? Waste? |
| 315 | C | Algebra |
| 316 | D | “ “ |
| 317 | E | “ “ |
| 318 | F | “ “ |
| 319 | G | “ “ |
| 320–324 | $aa - ae$ | “ “ |
| [325–359] | - | Miscellaneous material on Combination, Transposition, quantities in continued proportion, etc., in Harriot's hand? |
| 360 | f. 8 | Solution of a biquadratic |
| 361 | - | Lists of cubics and quadratics. Waste? |
| 362–375 | - | Work on Infinity (in Harriot's hand?) |
| 376–378 | A2, A3, A4 | Miscellaneous algebra. Waste? |

| | | |
|-----------|------------------------------|--|
| 379 | A4 | “ “ |
| 380 | - | 2 egs. of “Zetetic”. Geometrical |
| 388–399 | 12 to 1 | <i>De numerosa potestatum resolutione</i> |
| 400–417 | c. 17, c. 18, c. 16 to c. 1) | “ “ |
| [418–505] | - | Miscellaneous algebraic geometric and trigonometric work. Reference to Zetetic. Much waste. |

Add. MS 6783

| | | |
|--------------|--------------------------|---|
| f. 1, f. 2 | b. 1, b. 2 | Headed De Radicalibus; addition and subtraction of surds (literal and numerical) |
| f. 3 | b. 3 | <i>De Additione et Subtractione</i> (Continuation of previous pages) |
| f. 4 | b. 4 | Multiplicatio |
| f. 5 | b. 5 | Headed <i> Applicatio</i> Division of square and fourth roots |
| f. 6 | b. 6 | Headings <i>Multiplicatio</i> and <i> Applicatio</i> (mid-page). Multiplication and division of sums and products of square and fourth roots of numbers. (waste?) |
| f. 7 | b. 7 | Similar to above |
| f. 8 | b. 8 | <i>Radicem extractio</i> (Geometrical method) |
| ff. 9–11 | b. 9–11 | The same |
| f. 12 | 4) ²⁰ | Algebra. Waste? |
| f. 22 | 2 | Algebra. Waste? |
| f. 34 | - | Solution of cubic following Bombelli |
| ff. 49–60 | - | Lists of equations, linear to biquadratic with solutions |
| f. 65 | e | <i>De Resolutione aequationem per reductionem</i> ($ccd = +baa - aaa$) |
| f. 67 | e | Same as f. 65 (but $ccd = +baa + aaa$) |
| ff. 72–75 | - | Cubics with numerical coefficients f. 72r has six equations corresponding to those on pp. 101–102 of <i>Praxis</i> |
| f. 94 | 4. | <i>De Resolutione per reductionem.</i> Biquadratic, see beginning Section 6. |
| f. 96 | 3. | As f. 94 (solving biquadratic) |
| f. 97 | 2. | As above (solving biquadratic) |
| [ff. 98–112] | e. 1 to e. 14 (2 x e. 7) | Heading: <i>De resolutione equationem per reductionem</i>] |
| f. 98 | e. 1 | Lists of +, – (combinatorially?) and lists of numbers. Also, as heading: “Apparatus, ad genera, species et differentiis aequationum adventitiarum” |
| f. 99 | e. 2 | Lists of literal equations, linear to biquadratic |
| f. 100 | e. 3 | Lists of literal equations, linear to quintic |
| f. 101–112 | e. 4 to e. 14 | Work on solution of cubics. f. 106, f. 107, e. 8 and e. 9 have inequalities |

| | | |
|-------------|-------------------------------|---|
| ff. 113–119 | f | Same heading. Work on biquadratics (with solutions) |
| ff. 130–162 | f | “ “ |
| ff. 163–183 | d. 21 to d. 1 | <i>De Generatione aequationum canonicorum</i> |
| ff. 184–185 | e. 29, e. 28 | Inequalities (see Section 5) Reduction (heading) |
| ff. 186–198 | e. 27 to e. 15 | Reduction of cubics. Algebraic and numerical examples |
| ff. 199–202 | f | Reduction of biquadratic. Algebraic |
| f. 204 | d. 7.2° | [Relevant to f. 174]. Reduction of biquadratic |
| f. 215 | e. 3.2°) | Heading: <i>Exempla aequationum in numeris</i> |
| f. 216 | e. 3.3°) | Lists of numerical equations with solutions, cubics give 1 or 3 solutions. and biquadratic 2 or 4 solutions. Negative solutions given |
| f. 217 | e. 3.4° | “ “ |
| f. 218 | e. 3.5° | “ “ |
| f. 219 | e. 3.6° | “ “ |
| ff. 220–228 | A, B, C, 3, 2) 1), 1), 1), 1) | Harriot's hand? Word “Exegesis” used |
| ff. 233–234 | a, b | Geometrical (to do with quadratics) |
| f. 235 | c | Work on quadratics, biquadratics and higher degree (up to 8 th) |
| ff. 236–237 | d, e | Geometrical |
| f. 268 | f. 8 (middle & top-right) | Biquadratics with 1 root given in each case |
| f. 272 | D | Algebra. Waste? |
| ff. 273–275 | a^2r , ar , a^3r | To do with removal of terms from biquadratics. Waste? |
| f. 280 | - | (Upside-down). Considerable written work on Viète's condition for roots of cubic |
| f. 281 | 4 | Waste? Harriot's hand? |
| ff. 282–296 | as to ah | Waste? Removal of terms from equations up to biquadratic |
| ff. 302–304 | bb^2 (all three) | Waste? |
| f. 305 | bb^2 | List of equations from cubic to sixth power |
| f. 307 | bb^2 | Waste? |

Add. MS 6784

ff. 322–325 1.) 2.) 3.) 4.) Approximates to Section 1 of *Praxis*

Petworth/Public Record Office

ff. 1–13 b. 12... b. 4, b. 3)2,
b. 3, b. 2, b. 1 Solution of polynomial equations with numerical coefficients

TABLE Y

The following table presents the Torporley version of Harriot's algebra (the *Summary*) in which Harriot's page-numbering is repeated. The left-hand column gives the folio number in Torporley's papers, the middle column gives (where possible) the Harriot page-numbering, repeated by Torporley. Torporley MS Arc/L.40.2/L/40

| Folio | Top left-hand | Contents |
|-------------------------------------|---|---|
| 35r | ? | Heading: <i>Operationes logisticae in notis</i> . Corresponds to Section 1. |
| 35 | b. 3 | Also corresponds to MS pages Continues the above. One-third of way down page, new heading: <i>De Radicalibus</i> . Poem on multiplying positive and negative signs. |
| 36r | b. 3 (?) | Work on 4 rules with surds |
| (lower down) 36r | b. 4 | Multiplication of surds |
| (lower down still) 36r | b. 5 | Division of surds |
| (further down) 36r | b. 1? b. 6? | More on surds |
| 36v | b. 7, b. 8, b. 9 | Work on surds |
| (under double line across page) 36v | 1), 2) | “ “ |
| 37r | ? | “ “ |
| 37v | 6), 7), 8), 9) | “ “ |
| 38r | ? | “ “ |
| 38v |)))) (no number) | “ “ |
| 39r | ? | “ “ |
| 39v | ? | “ “ |
| 40r | ? | “ “ |
| 40v (down left-hand page) | 6, 7 (?), 8, 9, 10} 11, 12, 13, 14, 15} | “ “ |
| 41r | ? | “ “ |
| (down 41v) | d1, d. 2, d. 3, d. 4 | <i>De generatione aequationum canonicorum</i> |
| 42r | d. 5, d. 6, d. 7 | Further on above |
| 42v | d. 10, d. 11, d. 12 | “ “ |
| 43r | d. 13 to d. 19 | “ “ |
| 43v | d. 20, d. 21, then d. 7.2 | Further on above |

| Folio | Top left-hand | Contents |
|---------|--|--|
| 44r | ? e. 1 e. 2 e. 3 e. 4 e. 5 (?) e.. 6 (?) | (Cannot see top left-hand) Reminiscent of 6783, f. 98, e. 1 Seems like combinatorial work on signs and numbers On Generation of Canonicals. Echoes 6783, f. 101 Like 6783, f. 102 but with Roman index notation (<i>e</i> ” for <i>eee</i>). (<i>Praxis</i> , p. 99, Problem 12) |
| 44v | e.. 6 (?) e.. 7 e.. 7.2 e.. 8 e.. 9 e.. 10 | Appears on f. 103. Appears in f. 104} copied exactly Appears in f. 105} apart from notation Proves Lemmata but not inequality The same as f. 107 (but for notation) Comparison of adventitious with Canonical equation (?) No mention of equipollence (f. 108). |
| 45r | e. 11 e. 12 – 1.14 | (f. 109) Study of cubics |
| 45v | e.. 15 e. 16 e. 17 e. 18 e. 19 | “ “ (Not in Praxis) Study of cubics “ “ “ “ |
| 46r | ? ? | “ “ “ “ |
| 46v | e. 27 | “ “ |
| ff. 46v | e. 27 e. 28 e. 29 f. 1 f. 2d to f. 5 | “ “ 6783, f. 184 & f. 185 copied exactly. NB Section 5 work not separated from section 6 work f. 113, biquadratics “ |
| f. 47r | ? | “ |
| f. 47v | f. 8v to f. 15r | Biquadratics. Following f. 13r comes d. 13.2) |
| f. 48r | ? | Biquadratics |
| f. 48v | (Near to/f.1e to f. 4e) | Biquadratics |
| f. 49r | ? | Biquadratics, <i>ec</i> . |
| f. 49v | 1) to 12) | Up to Pr. 6 (Viète). (Up to f. 388) (Problems VII, VIII, IX of Viète missing as in MS and <i>Praxis</i> .) |
| f. 50r | “pr. 10” up to “pr. 13” | Gives Petworth b. 1, etc. then back to BL MS. Cossic and Roman superscripts. |

| | | |
|--------|---------------|---|
| f. 50v | b.11 | Problems 14 and 15 |
| | b. 12 | Then c. 1 to c. 6, problems 16 and 17 |
| f. 51r | ? | Problems 18, 19, 20 |
| f. 51v | c. 16, 17, 18 | Problem 20. Work on (non-numerical) equations, quadratic to biquadratic. |
| f. 52r | ? | More algebra |
| 52v | mid-page AB) | Geometrical |
| 53r | ? | Algebra and geometry |
| 53v | 6) to 14) | Contents need further study |
| 54r | ? | Combinations |
| 54v | ? | Combinations and Transpositions followed by summary of previous contents (Headings) |

Table Z is a summary of Harriot's (top left-hand) page-numbering and the corresponding content of his papers (as in Add. MS 6782, 3 and 4 in the British Library).

To summarise:

1. Some page-numbering of Harriot's refers to several topics, i.e., Items 2, 4, 5, 9, 11, and 14 (Table Z).
2. The material in Section 1 of the *Praxis* is numbered as in Item 4 (Table Z).
3. The material in Sections 2–4 of the *Praxis* is numbered as in Item 13 (Table Z).
4. Some of the material in Section 5 of the *Praxis* is numbered as in Item 11. [Notably, Add. MS 6783 f. 104 (e. 7) is followed by f. 105 (e. 8) on inequalities.]

TABLE Z

| Page numbering | Contents | Relevance |
|--|--|---------------|
| 1. f.c. number | Numerical calculations | |
| 2. c. number | Numerical calculations/inequalities/numerical solutions of equations | Some relevant |
| 3. f.b. number | Numbers and calculations | |
| 4. Number alone | Rules in algebra/triangular numbers and progressions/numerical equations/algebra in general/work on biquadratics | Some relevant |
| 5. A. number | Triangular numbers and progressions. | |
| | Miscellaneous algebra and geometry | |
| 6. B, C, D | Canonical equations? Waste? | |
| 7. <i>aa</i> to <i>ae</i> , <i>as</i> to <i>ah</i> | “ “ “ | |
| 8. f. number | Biquadratics | Relevant |
| 9. b. number | De Radicalibus. Solution of numerical equations | Relevant |
| 10. e | Cubics/Geometry | Relevant |
| 11. e. number | Cubics/Inequalities/Lists of equations. Biquadratics (6783, ff. 215–219) | Relevant |
| 12. f | Biquadratics | Relevant |
| 13. d. number | Generation of Canonicals | Relevant |
| 14. a, b, c, etc. | Geometry/Lists of quadratics and upwards | |
| 15. <i>ar</i> , etc. | Removal of terms from biquadratics | Relevant |
| 16. <i>bb</i> | Algebraic waste | |

5. The material in Section 6 (*Praxis*) is numbered as in either Items 8), 10), 11), 12) or 15) of Table Z. (Thus, several topics may have the same type of page-numbering, as in 1 above or one topic may have several types of page-numbering as here.)
6. Finally, the solution of numeral equations may be numbered as in Items 2), 4) or 9).

It may certainly be inferred, then, that the top left-hand page-numbering in the manuscript pages does not *necessarily* imply Harriot's intentions as to order of presentation in a possible future publication (as argued by J. Stedall, 2003), but may indicate a form of numbering corresponding to his immediate writing.

It is unclear why the Numerical Exegesis in the *Praxis*, whose page-numberings in the manuscripts are b's and c's and numbers alone, should come after the folios with the page-numberings e's and f's. Also, although almost all biquadratic equations are treated under the heading f, a few (Add. MS 6783, ff. 215–19) are included under e. The explanation might very well lie in the fact that those letters are something other than simple indications of Harriot's intended order. Also, if the letters represented Harriot's intentions, why would some numerical equations have b, others have c and a third batch have numbers alone? The order (as may be seen from the second column of the table of equations, pp. 262–7 is “number alone” then “b. number” and then “c. number”). Perhaps Harriot numbered the pages at the top-left hand corner after doing the work, but changed his mind about the order. This is not the numbering, in the compilation used by Torporley. The large number of questions that we are asking rather than answering here is indicative of the range of possibilities that appears to be consistent with the facts as we presently know them.

Taking the Torporley *Summary* as a guide, the order of topics envisaged by Torporley would probably be:

1. Operationes logisticae in notis (Operations of arithmetic in signs).
2. De radicalibus (On Roots).
3. Generatione aequationum canonicorum (Generation of canonical equations) (which would include the solutions of the cubic equations now in Section 6; and some comparison of common with canonical equations involving inequalities as in Section 5).
4. More on cubic equations.
5. Biquadratic equations.
6. Numerical exegesis (i.e., a series of worked examples).

What is certain is that Warner (the putative editor of the *Praxis*) tampered with Harriot's intended order. He may have extracted from the same source as Torporley or from the manuscripts as they have come down to us, or from a different source entirely, which is not available to us.

In any event, Warner made the following changes to the manuscript material:

1. He added a Preface and Definitions.
2. He cut down the material for Section 1.

3. He omitted *De radicalibus*.
4. He altered and stretched out into three Sections (now 2, 3, and 4) what was more concisely done in the manuscripts.
5. He added the idea of “equipollence” in Section 5.
6. He put together in Section 6 what were intended to be separate sections on cubic and biquadratic equations. He cut this work on the reduction of such equations to ones more easily solved (except for Problems 12 and 13) by changing the root and omitting much work on cubics and biquadratics.
7. In the Numerical Exegesis, he added equations (corresponding to “pure powers”) not considered by Harriot; altered the order of presentation from one in which equations with positive coefficients were all done first and followed by those with negative coefficients (following Viète); added others of a pattern in neither Viète nor Harriot and omitted others; and in almost all cases altered the numbers involved.

One may deplore Warner’s tampering with Harriot’s material and his contravention of Harriot’s intentions. However, the intrinsically probabilistic character of our reasoning forces us to a merely provisional condemnation. Such are the conclusions which may be drawn concerning Harriot’s intentions for his future treatise and Warner’s failure to carry them out in the *Praxis*. It is all the more fortunate, then, that Torporley made his own suggestions in the *Corrector Analyticus* concerning the contents of the work that Warner should have produced. In 2003, Dr. Jacqueline Stedall published *Harriot’s Treatise on Equations*, which reproduces the Harriot manuscripts which conform to Torporley’s suggestions and which is as close as we are ever likely to get to Harriot’s intentions.

The following table connects pages, Propositions and Problems in the *Praxis* with the corresponding manuscript pages when they are judged to have a significant connection.

| <i>Praxis</i> | MS | Comment |
|------------------|--|---|
| <i>Section 1</i> | | |
| pp. 7–8 | Add. MS 6784, f. 322 | a) Add. MS 6783, ff. 1–11, also correspond to Section I passage in Torporley’s <i>Summary</i> . (Left-hand side of page b. 1 to b. 11). |
| p. 8–9 | f. 323 | b) In 6784, left-hand side of page gives 1, 2, 3, 4. |
| p. 10 | f. 324 | |
| p. 11 | f. 325 | |
| <i>Section 2</i> | | |
| p. 12 | Add. MS 6783, f. 183 (d. 1), f. 182 (d. 2), f. 181 (d. 3), f. 180 (d. 4), f. 178 (d. 6) | MS pages omit both cases giving negative and imaginary roots cf. f. 301 |
| p. 13 | f. 178 (d. 6), f. 177 (d. 7) | |
| p. 14 | f. 176 (d. 8), f. 175 (d. 9), f. 171 (d. 13) | |
| pp. 14–15 | f. 156, 13.2 ^o | |

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|---------------------------------|--|--|
| p. 16 (Pr.1) | f. 183 (d. 1) | |
| pp. 16–17 (Pr.2) | f. 183 (d. 1) | |
| p. 17 (Pr.3) | f. 180 (d. 4) | |
| pp. 17/18 (Pr.4) | f. 181 (d. 3) | |
| pp. 18–19 (Pr.5) | f. 182 (d. 2) | |
| p. 19 (Pr.6) | f. 178 (d. 6) | |
| pp. 19–20 (Pr.7) | f. 178 (d. 6) | |
| p. 20 (Pr.8) | f. 178 (d. 6) | |
| pp. 20–21 (Pr.9) | f. 176 (d. 8) | |
| p. 22–23 (Pr.10) | f. 175 (d. 9) | |
| p. 23–24 (Pr. 11) | f. 177 (d. 7) | |
| p. 24–25 (Pr.12) | f. 177 (d. 7) | |
| p. 25 (Pr.13) | f. 171 (d. 13) | |
| p. 26 (Pr.14) | f. 171 (d. 13) | |
| p. 26 (Pr.15) | f. 171 (d. 13) | |
| p. 27 (Three special Equations) | f. 101 | f. 101 uses reduced form of the first of the special equations |
| <hr/> | | |
| <i>Section 3</i> | | |
| p. 29 (Pr.1) | f. 183 (d. 13) | |
| pp. 29–30 (Pr. 2) | f. 181 (d. 3) | |
| pp. 30–31 (Pr.3) | f. 181 (d. 3) | |
| p. 31 (Pr.4) | f. 180 (d. 4) | |
| p. 32 (Pr.5) | f. 179 (d. 5) | |
| p. 33–4 (Pr.6–8) | f. 101 (e. 4) | f. 101 used for Problem 12, Section 6, solution of cubic |
| p. 34–35 (Pr.9) | f. 177 (d. 7) | |
| pp. 36–37 (Pr.10) | f. 177 (d. 7) | |
| pp. 37–38 (Pr.11) | f. 177 (d. 7) | |
| p. 39 (Pr.12) | f. 176 (d. 8) | |
| pp. 40–41 (Pr.13) | f. 176 (d. 8) | |
| pp. 41–42 (Pr.14) | f. 176 (d. 8) | |
| pp. 42 (Pr.15) | f. 175 (d. 9) | |
| p. 43 (Pr.16) | f. 175 (d. 9) | |
| p. 44 (Pr.17) | f. 175 (d. 9) | |
| p. 45 (Pr.19) | f. 174 (d. 8) | |
| pp. 45–46 (Pr.20) | f. 173 (d. 7) | f. 204, d. 7.2 ^o alternative |
| p. 46 (Pr.21) | f. 172 (d. 6) | |
| pp. 46–51 (Lists) | f. 170 (d. 14), f. 168 (d. 16), f. 169 (d. 15) | |
| <hr/> | | |
| <i>Section 4</i> | | |
| p. 52 (Pr.1) | f. 183 (d. 1) | |
| p. 52 (Lemma) | f. 183 (d. 1) | |
| pp. 52–53 (Pr.2) | f. 183 (d. 1) | |
| p. 53 (Lemma) | f. 183 (d. 1) | |
| pp. 53–54 (Pr.3) | f. 180 (d. 4) | |
| p. 54 (Lemma) | f. 180 (d. 4) | |
| pp. 54–55 (Pr. 4) | f. 181 (d. 3) | |
| p. 55 (Lemma) | f. 181 (d. 3) | |
| pp. 55–56 (Pr.5) | f. 182 (d. 2) | |
| pp. 56–57 (Lemma) | f. 182 (d. 2) | |

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|-------------------|----------------|
| p. 62 (Pr.18) | f. 178 (d. 6) |
| p. 62 (Pr.19) | f. 178 (d. 6) |
| pp. 62–63 (Pr.20) | f. 178 (d. 6) |
| p. 63 (Pr.21) | f. 176 (d. 8) |
| pp. 63–64 (Lemma) | f. 176 (d. 8) |
| pp. 64–65 (Pr.22) | f. 177 (d. 7) |
| p. 65 (Lemma) | f. 177 (d. 7) |
| pp. 65–66 (Pr.23) | f. 175 (d. 9) |
| pp. 66 (Lemma) | f. 175 (d. 9) |
| p. 67 (Pr.24) | f. 177 (d. 7) |
| pp. 67–68 (Lemma) | f. 177 (d. 7) |
| pp. 68–69 (Pr.25) | f. 176 (d. 8) |
| pp. 71–72 (Pr.29) | f. 176 (d. 8) |
| p. 72 (Pr.30) | f. 176 (d. 8) |
| pp. 72–73 (Pr.31) | d. 175 (d. 9) |
| pp. 73–74 (Pr.32) | f. 175 (d. 9) |
| p. 74 (Pr.33) | f. 175 (d. 9) |
| pp. 76–77 (Pr.38) | f. 171 (d. 13) |
| p. 77 (Pr.39) | f. 171 (d. 13) |
| p. 77 (Pr.40) | f. 171 (d. 13) |

Section 5

| | | |
|---------------------|-------------------|---|
| p. 79 (Lemma 2) | f. 106r, (e. 8) | All four sheets containing the inequalities are headed: “De resolutione equationum reductionem”. See <i>Summary</i> , ff. 44v–46v. also Birch MS 4394, f. 392 |
| p. 79 (Lemma 3) | f. 106r, v (e. 8) | |
| p. 80 (Lemma 4) | f. 106r (e. 8) | |
| pp. 81–82 (Lemma 5) | f. 107r (e. 9) | |
| pp. 84–85 (Lemma 6) | f. 184r (e. 29) | |
| pp. 85–86 (Lemma 7) | f. 184r (e. 29) | |

Section 6

| | | |
|-------------------|---------------------------|--|
| p. 87 | f. 163 | |
| p. 88 | f. 164 | |
| p. 89 (Pr.1) | f. 91, f. 198 (e. 15) | cf. Viète, <i>Opera</i> , 1646, p. 130, II |
| p. 90 (Pr.2) | f. 67 (e), f. 197 (e. 16) | “ “p. 130, I |
| p. 91 (Pr.3) | f. 65 (e), f. 196 (e. 17) | p. 130, III |
| pp. 91–92 (Pr.4) | f. 195 (e. 18) | “ “p. 130, I |
| pp. 92–93 (Pr.5) | f. 194 (e. 19) | “ “p. 131, VII |
| p. 93 (Pr.6) | f. 193 (e. 20) | “ “p. 131, II |
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