

Changes to *Elliptic Tales*

Page 18: Replace “The divisor $x - b$ has degree 1, so the remainder must have degree 0. In other words, r is some number.” with “The divisor $x - b$ has degree 1, so the remainder is either 0 (no degree) or has degree 0. In other words, r is some number.”

Page 60, line 10: “... we can divide through by x .”

Page 101, Property A4: Delete the phrase “for any a in G ” at the end of the sentence.

Page 104, paragraph 5, line 1: Change “from” to “form”.

Page 107: We intentionally did not include a solution to this exercise.

Page 108, Solution, paragraph 2, line 3: The parenthetical aside should be “(namely it has order 1)”.

Page 112, paragraph 3, line 7: “... the rank of U in this case is...”

Page 165, line 3: The right-hand side of the equation is easier to understand with an additional set of parentheses:

$$\frac{-z}{z^2 + z - 1} = \frac{1}{\sqrt{5}} \left(\sum_{k=0}^{\infty} \left(\left(\frac{z}{\alpha} \right)^k - \left(\frac{z}{\beta} \right)^k \right) \right).$$

Page 177, paragraph 4, line -4: “ $\frac{d}{dt} \log Z(T)$ ” should be “ $\frac{d}{dT} \log Z(T)$ ”.

Page 236, line 7: The constant C must be non-zero.

Page 236, line 11: Replace “insure” with “ensure.”

Page 237, line -4: “In particular, given an elliptic curve E , if $\beta_E(x)$ tends to a positive limit...”