

Errata for *Elementary Number Theory*

- page 18, line -4: change $c \mid ax + by$ to $d \mid ax + by$
- page 47, Exercise 30: Remove “Then use Corollary 1.12” and replace it with “Theorem 1.12 says that 1 can be written as a linear combination of a and b . Use this to show that 2 can be written as a linear combination of $a + b$ and $a - b$. Deduce that $d \mid 2$.”
- page 90, lines 5-6: Change $m \not\equiv n \pmod{2}$ to “one even and one odd”
- page 92, line 3 of Exercise 21: Change $(2k + 1)^2$ to $(k + 1)^2$
- page 96, line -9 and line -1: change “lemma” to “proposition”
- page 101, lines 3, 7, 9: Change x to c (4 times)
- page 117, lines -2: Add “This can be justified by using Proposition 3.4 several times..”
- page 144, table at top of page: Change hyphens to minus signs and change $3m - 2$ to $3m - 1$.
- page 248, line -2: Change the second 7 to 43.
- page 248, line -1: Change 5 to 7.
- page 249, line 2: change to “we conclude that 7 is not a square mod 43”
- page 277, line 5: change “per seconds” to “per second”
- page 365, lines -9 and -6: The indices on F_0 and F_1 are incorrect. These should be F_1 and F_2 . Even better, the verification should use $n = 0$ and $n = 1$ instead of $n = 1$ and $n = 2$.
- page 378, line -6: Change Theorem 2.2 to Theorem 3.2.
- page 378, lines -5, -4, -3, -2: Change Proposition 2.6 to Proposition 3.6.
- page 382, answers to Chapter 8, Exercises 7(a), 11(b), and 13: Change Corollary 7.2 to Corollary 8.2.
- page 382, answers to Chapter 8, Exercise 11(a): Change Theorem 7.1 to Theorem 8.1.
- page 382, answers to Chapter 8, Exercises 27(b) and 29(a): Change Proposition 7.6 to Proposition 8.6.
- page 383, answers to Chapter 8, Exercise 37: Change Proposition 7.11 to Proposition 8.11.

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