

Just check that everything here is on main errata page.

**DISCRETE MATHEMATICS WITH APPLICATIONS, 4<sup>th</sup> Edition**  
by Susanna S. Epp

Great effort was made to insure as error-free a product as possible. With approximately 3 million characters in the book, however, some mistakes are inevitable. I would be grateful to learn of any errors you find so that they can be listed on this page and corrected in subsequent printings. Please send them to me at susanna.s.epp@gmail.com.

With thanks, Susanna S. Epp

ERRATA FOR THE ?? PRINTING (may not be needed because all are listed on the main errata)

**CHAPTER 2**

*Exercises*

LOCATION	CORRECTION
94 – 2.5 #21	Part (a) has an answer in Appendix B.

**CHAPTER 4**

*Text*

LOCATION	CORRECTION
212 – line 8	The Catalan conjecture was proved by Preda Mihailescu: "Primary Cyclotomic Units and a Proof of Catalan's Conjecture." <i>J. reine angew. Math.</i> <b>572</b> , 167-195, 2004.

**CHAPTER 5**

*Text*

LOCATION	CORRECTION
308 – Definition box	In line 5, change " $a_0r^m$ " to " $a_0r^n$ ".

**CHAPTER 6**

*Text*

LOCATION	CORRECTION
342 – Notation box	In the bottom line, right side, change " $[-\infty, b)$ " to " $(-\infty, b]$ ".

*Exercises*

LOCATION	CORRECTION
A-51 – 6.1 #22b	Change the union symbols to intersection symbols.

**CHAPTER 7**

*Text*

LOCATION	CORRECTION
417 – Definition box	In line 1, change " $g: Y \rightarrow Z$ " to " $g: Y' \rightarrow Z$ "
447 – lines 14-15	Change "Tak Kurosawa, 0114910" to "Tak Kurosawa, 011410" and "Mary Lazars, 0103910" to "Mary Lazars, 010310".

*Exercises*

LOCATION	CORRECTION
415 – 7.2 #26	Change " $\mathbf{Z}^+ - \mathbf{Z}^+$ " to " $\mathbf{Z}^+ \rightarrow \mathbf{Z}^+$ ".
A-61 – 7.2 #27a	Change " $T$ is not one-to-one" to " $T$ is one-to-one".
A-63 – 7.3 #21	In the next-to-last line, change " $h(f(x))$ " to " $h(f(x))$ ".

## CHAPTER 8

### Text

LOCATION	CORRECTION
453 – Example 8.2.2	In the bottom line, replace a comma by a period: change "c, is $R\dots$ " to "c. is $R\dots$ ".
495 – line 18	Change " $q \mid M$ " to " $q \mathcal{R} M$ ".

### Exercises

LOCATION	CORRECTION
A-70 – 8.3 #34	In line 3, change "than" to "then".
513 – 8.5 #3	Change "For all $t$ " to "For all $s, t$ ".

## CHAPTER 9

### Text

LOCATION	CORRECTION
578 – line 2 from bottom	Replace a period by a comma: change " $S_{3,2}$ " to " $S_{3,2}$ ".
613 – line 22	Change " $P(B_2 \mid B_1) = 1/11$ " to " $P(B_2 \mid B_1) = 4/11$ ".

### Exercises

LOCATION	CORRECTION
A-75 – 9.1 #11b(i)	Change the approximately equal sign to an equal sign.

## CHAPTER 10

### Exercises

LOCATION	CORRECTION
658 – 10.2 #19-21	In the directions for these exercises, change "path" to "trail".
659 – 10.2 #30	Place a black dot at vertex $v_0$ .
A-93 – 10.1 #5	Delete the edge between $v_2$ and $v_3$ .

## CHAPTER 11

### Text

LOCATION	CORRECTION
761 – Figure 11.4.6	On the y-axis, the tick mark for 1 should be lowered.
773 – line 12	Change "execpt" to "except".