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| **Important changes (mostly)** |
| Title page – see note below |
| Preliminary Section – Creating APEX LT |
| p. 57 Figure 1.29 move up |
| p. 62 Figure 1.32 move up |
| Figure 1.34 is not referenced in the text – see note below |
| In 2.0 – define x & y so they are nonnegative for even roots – see note below |
| Figure 2.1 needs to move to p. 82 |
| Section 2.3, Example 2.4.8 – why n \neq 0? – see note below |
| p. 150 Figure 3.5 move up |
| p. 152 Figure 3.8 move up |
| p. 156 Figure 3.11 move up |
| p. 157 Figure 3.13 move up |
| p. 166 Figure 3.18 is not referenced in the text – see note below |
| P, 173 Figure 3.21 move up |
| p. 185 Figure 3.33 move up |
| p. 187 The sign chart for example 3.5.3 – remove figure number & caption |
| p. 205 Example 4.2.4 – see note below |
| p. 274 Figure 5.22 move up |
| p. 286 Key Idea 11 – see note below |
| p. 294 Figure 6.1 move up |
| p. 307 Figure 6.14 move up |
| p. 315 move up all figures & add a little more space between 6.20 & 6.21 |
| p. 317 Figure 6.23 move up |

**Notes:**

**I printed pages 112 – 113 and the stray lines showed up on the graphs for Exercises 32 & 33. They do not show up on the electronic version. Not sure what can be done about this. These are graphs I created, not originally part of APEX. I don’t know if this is a problem for other new graphs.**

**Title page:**

Under Calculus I Late Transcendentals credit the University of North Dakota Mathematics Department. Adapted from APEX Calculus I with those authors listed in a smaller font.

**Preliminary Section – Creating APEX LT –** you could mention that we added prerequisite sections where needed.

**Figure 1.34 – one idea for referencing it:**

“While this notion seems… concept is stated in the form of a theorem and illustrated in Figure 1.34.”

**Section 2.0**

In 2.0 we need to define x & y so they are not negative when the root is even. The best way I could come up with was to say that x & y take on the values for which the expression is defined. Perhaps we can say this just once in the first paragraph under Rule of Exponents header:

“We will briefly summarize … in this chapter. The laws of exponents are only valid for the values of x & y for which the expression is defined (i.e. nonzero real numbers in the denominator and nonnegative real numbers when roots are even.)

**Figures 2.11 – 2.13**

Can we move 2.13 up to p. 100 where it is referenced? One idea would be to cut 2.12(a). If that is not enough we could cut 2.11(a) and label the curve in 2.11(b) as f(x)=x^2.

**Section 2.3, Example 2.4.8 – why n \neq 0?**

The original APEX excluded n=0 from their statement of the power rule. We removed it from the statement of the rule, but it is still excluded in the two proof/justifications (p. 105 & p. 121) we offer. The only case that will be trouble is 0^0 – do we want to acknowledge that somehow? How should we do it. If we let n=0 we need to change one of the proof/justifications to let n = 0.

**p. 166 Figure 3.18 is not referenced in the text**

Suggestion for reference: In the first paragraph on p. 166

… A similar statement can be made for relative minimums (see Figure 3.18).

**p. 205 Example 4.2.4**

When solving for h cut the step . Hopefully this will move the solving for h process to one line. AND this won’t mess up any later spacing because it is right before the exercises!

**p. 228 Theorem 33** – it seems as little strange to continue numbering from theorem 32 – but discussion under Theorem 33 would refer to same numbers as discussion above Theorem 33 if we didn’t. It could be confusing. Not sure there is a better option

**p. 286 Key Idea 11**

I thought we were removing “differential element” from Key Idea 11 and sections 6.1 - 6.3. Maybe this is something that needs more discussion and will have to wait until the next revision. It is interesting that the term “differential element” does not appear in 6.3.

Here are some changes that I would suggest but are not as important or can be considered for the future.

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| **Change if possible – without you wanting to hurt someone** | **Can definitely wait until the next revision or maybe not an issue at all** |
|  | Include solutions to all problems in the .0 sections in the back of the book. |
|  | p. 30 Figure 1.16 move up |
|  | p. 31 Figure 1.17 move up |
| p. 33 Figure 1.18 move up |  |
| p. 43 Figure 1.21 move up |  |
|  | p. 50 Figures 1.23 & 1.24 move up |
| p. 51 Figure 1.26 move up |  |
| p. 53 Figure 1.27 move up |  |
|  | p. 66 Figure 1.33 move up |
|  | p. 68 Figure 1.35 move up |
|  | p. 82 Figure 2.2 move down |
| pp. 100-101 Figures 2.11 – 2.13 see note below |  |
| p. 115 Figure 2.15 move up |  |
|  | P. 151 add a little more space between 3.6(a) & 3.6(b) |
| p. 192 top - add space between 31.4 & in/hr |  |
|  | p. 194 move Figure 4.1 up so note moves up |
|  | Section 4.1 add similar triangle example |
| p. 201 Figure 4.4 move up |  |
|  | p. 216 Figure 4.9 move up |
| p. 217 Example 4.4.1 remove the space between problem statement & solution |  |
|  | p. 228 Theorem 33 – see note below |
| p. 239 Figure 5.8 move up |  |
|  | p. 253 Figure 5.17 move up |
|  | p. 256 Example – first line of solution show *x\_1 = (-1)+i Delta x = (-1)+6i/n* |
| p. 295 Figure 6.2 move up |  |
| p. 296 Figure 6.4 move up |  |
|  | p. 320 Exercises #18-24 – rewrite so the format is similar to #13 – 17. |