Errata to Apex LT

August 29, 2016

The following errors exist in the Fall 2016 printed version of Apex LT (but have been fixed in the electronic version):

- p. 47, §1.4#23: $\lim_{-2^+} f(x) = 0$ should be $\lim_{x \to -2^+} f(x) = 0$.
- pp. 304–306: The text states that moving a curve through space creates a solid, when it fact it creates a surface. To create a solid, we need to move a region through space, or look at the region enclosed by a surface. This leads to the following changes:
  - p. 304, paragraph 2, line 2: "a horizontal axis creates a three-dimensional solid" should be "a horizontal axis encloses a three-dimensional solid".
  - p. 304, Key Idea 12: "Let a solid be formed by revolving the curve" should be "Let a solid be enclosed by revolving the curve".
  - p. 305, Example 6.2.2: The region being rotated is the one bounded by the curve $y = 1/x$, $x = 1$, $x = 2$, and the x-axis.
  - p. 306, Example 6.2.3: The region being rotated is the one bounded by the curve $y = 1/x$, $y = 1$, $y = 0.5$, and the y-axis.
  - p. 306: The paragraph following Example 6.2.3 states:

    > The previous two examples demonstrate how taking the same region and rotating it about two different axes will result in different solids and thus volumes.

    The examples do not have the same region. This sentence should be deleted.