Corrections for
Solutions: *Advanced Calculus*

Corrections are marked in red, where possible.

Exercise 1.30.a. Change "and" to "as"; thus, ... take $t = 0$ as the initial point....

Exercise 7.16.a. The sign of the second term in the upper-left entry of $d\mathbf{k}_{(0.0)}$ needs to be changed to give

$$d\mathbf{k}_{(0.0)} = \left(\begin{array}{cc} \sqrt{-\alpha(\xi)} - \xi/\sqrt{-\alpha(\xi)} & 0 \\ 3\eta/\sqrt{\beta(\xi)} & \sqrt{\beta(\xi)} \end{array} \right) \Bigg|_{(\xi,\eta)=(0,0)} .$$