ERRATA TO APEX LT

The following error exists in the in June 2021 printed version of Apex LT Calculus III:

(1) §12.1 p717 Example 3: In the last displayed equation, "Multiplying $\vec{r}(t)$ by 5" should produce $5\vec{r}(t) = \langle 5\cos t + t, 5\sin t + \frac{3}{2}t\rangle$.
(2) §13.5 p815 Example 6: In the final fraction, the "$+3y^2$" should be in the denominator, not the numerator.
(3) §14.7 p931 Example 4: We need to divide by M. It also turns out that we can compute these integrals exactly.
(4) §15.1 p951 Example 3: $\sqrt{1+t^2}$ should be $\sqrt{1+4t^2}$. The final answer is correct.
(5) §15.4#27 p 989: $\vec{f}$ should be $\vec{F}$.
(6) §15.7 p 1021 Key Idea 15.7.1: In the $\mathbb{R}^2$ Divergence Theorem, the left hand side should have $\oint_{\partial R}$, not a double integral. In Green's Theorem, $\vec{F}$ is missing its vector arrow.
(7) At the back of the book, integration rule #2 should enclose its integrand in parentheses, and #23 should have $a > 0$ or use $|a|$.

Date: February 5, 2023.