p. 2 line -6: Replace "parabola" with "segment".

p. 7 line 2: Add "you" at the end.

p. 20 line 2.

$$\left(\begin{array}{c} n \\ 0 \end{array} \right) = \left(\begin{array}{c} n \\ n \end{array} \right) = 1...$$

p. 41 line 19: Should end with "$F_{k+1}(x, t_{k+1}) = 0$."

p. 59 line -7: Replace $\frac{\cos 3x}{3}$ with $\frac{\sin 3x}{3}$

p. 62 line -2: Replace "alternate" with "alternative".

p. 63 line -10: Replace "alternate" with "alternative".

p. 64 line 2: Replace "real" with "rational".

p. 67 line -5: Replace "1." with "5." .

p. 69 line 10: Insert comma after "strictly speaking".

p. 69 Exercise 1: Replace "$a^{n+1} = a^n$" with "$a^{n+1} = a^n a$".

p. 74 line 8: Remove the word "it".

p. 79 line 2: Missing right parenthesis.

p. 100 Exercise 12: Replace "a_n" with "a_k".

p. 101 Exercise 36: Replace "r" with "a".

p. 120 Exercise 11: $a_1 = 1...n = 1, 2, 3, ...$

p. 120 Exercise 12: $a_1 = 1...n = 1, 2, 3, ...$

p. 131 Exercise 8: Replace "converges" with "converges absolutely".

p. 132 line -9: Replace "alternate" with "alternative".

p. 137 line 2: Replace "alternate" with "alternative".

p. 140 line 10: $\sum |c_n x^n|$

p. 145 line -4: Switch "diverges" and "converges".

p. 159 line 11: Replace "b" with "c" twice.

p. 165 line 10: Replace "alternate" with "alternative".

p. 193 Exercise 26: (-1, 1).

p. 197 line 3: Replace "Georges" with "George".

p. 208 line 6: Replace "alternate" with "alternative".

p. 210 line -5: Replace "5.2" with "5.1.2".

p. 209 line 6: This inequality is not valid. This part of the proof should be replaced with the following integration by parts:

$$\left|\int_0^x \frac{\cos\left(n+\frac{1}{2}\right)\phi}{2\cos\left(\frac{\phi}{2}\right)}d\phi\right| = \frac{1}{n+\frac{1}{2}}\left|\int_0^x \left[\sin\left(n+\frac{1}{2}\right)\phi\right]' \cdot 2\sec\left(\frac{\phi}{2}\right)d\phi\right|$$

$$= \left|\frac{1}{n+\frac{1}{2}}\sin\left(n+\frac{1}{2}\right)\phi\cdot 2\sec\left(\frac{\phi}{2}\right)\right]_0^x - \frac{1}{n+\frac{1}{2}}\int_0^x \sin\left(n+\frac{1}{2}\right)\phi\cdot\sec\left(\frac{\phi}{2}\right)\tan\left(\frac{\phi}{2}\right)d\phi\right|$$

$$\leq \left|\frac{1}{n+\frac{1}{2}}\sin\left(n+\frac{1}{2}\right)x\cdot 2\sec\left(\frac{x}{2}\right)\right| + \frac{1}{n+\frac{1}{2}}\left|\int_0^x \sin\left(n+\frac{1}{2}\right)\phi\cdot\sec\left(\frac{\phi}{2}\right)\tan\left(\frac{\phi}{2}\right)d\phi\right|$$

$$\leq \frac{2\sec\left(\frac{a}{2}\right)}{n+\frac{1}{2}} + \frac{1}{n+\frac{1}{2}}\int_0^x \sec\left(\frac{\phi}{2}\right)\tan\left(\frac{\phi}{2}\right)d\phi$$

$$= \frac{2\sec\left(\frac{a}{2}\right)}{n+\frac{1}{2}} + \frac{1}{n+\frac{1}{2}}\left[2\sec\left(\frac{x}{2}\right)-2\right] \leq \frac{4\sec\left(\frac{a}{2}\right)-2}{n+\frac{1}{2}}$$

p. 264 line -10: Conceptual