**Errata for 5th Edition of *Elementary Linear Algebra***

**by Andrilli & Hecker**

**In the Textbook:**

page 22: In Figure 1.14, the labels “x”, “y”, and “x+y” on the vectors should all be ‘ in **boldface** (as with similar vectors in Figure 1.15)

page 118: Exercise 13(b): “**A***n***x**= **0** has a nontrivial solution for some positive integer *n*” should be replaced with “**A***k***x**= **0** has a nontrivial solution for some positive integer *k*” (since “*n*” was previously defined before part (a))

page 163: Exercise 8(a): The displayed matrix should be a determinant rather than a matrix.

page 258: Example 11: In the first line, “P 3” should be replaced with “P 4”.

page 266: Exercise 20(a): In the first line, “72*x*” should be replaced with “72*x* – 30”

page 373: Exercise 12(g): “If *L*:” should be replaced with “If a linear transformation *L*:”

page 390: The beginning of the last sentence on this page should be rephrased to say: “But, just as not every square matrix can be diagonalized, ...”

page 406: Exercise 1(c): The given mapping is not valid on 2, since it is not defined on the entire domain.

page 416: In the third and fourth lines after the initial display on this page, “**v • v**1”, “**v • v**2”, “**v • v**3” should be replaced respectively by “**v • w**1”, “**v • w**2”, and “**v • w**3”.

page 563: In the first Highlight, the formula for the angle *θ* should be:

*θ* = ½ arctan(*c*/(*a*−*b*)).

**In the Instructor’s Manual:**

page 62: Exercise #9: The span of the given set is {*ax*2 + *bx* + ((23/7)*a*−(11/7)*b*)}.

page 62: Exercise #10: Span(*S*) = {[*a*, *b*, 12*a* + 7*b*]}.

page 112: Exercise #1(c): The given mapping is not defined on all of 2, and

hence cannot be a linear transformation.