

### Strengths

1. This text is well organized and easy to read. It contains many example problems and example problems have well-written step-by-step solutions. It is visually appealing with good illustrations and does a good job of highlighting important facts and steps.
2. The text contains good summaries highlighted in blue and formulas are in boxes highlighted in yellow.
3. Each section begins with hints on preparing for the section and objectives.
4. There are very good discussion and writing questions, skill building exercises, and application and extension questions in each section.
5. Integrates good calculator examples throughout with good calculator explanations.
6. Chapter summaries and reviews.
7. My Math Lab is available with this text.
8. Good Chapter reviews and a list at end of chapter with objectives and what page to find examples on.
9. Transformations covered early but repeated in good detail with exponential and logarithmic functions.
10. Graphing trig functions is thorough, covering all graph modifications.
11. Inverse trig function includes graphs, evaluations and compositions.
12. Good review Appendix in back of book.
13. Before getting started on every section, students are asked to review certain pages of the book to prepare them for the topic at hand (very helpful if we were to begin the course with the trig portion and review as and when the college algebra topics were needed).
14. The topics are covered well with many examples.
15. Provides snap shots of graphing calculator screens for finding exact value of certain inverse function, or a composite function.
16. At the end of every section it has some fill in the blank questions, as well as some true/false questions.
17. The discussion and writing questions at the end of every section are good points of discussion for face-to-face and online classes.
18. Full coverage of odd-numbered questions in MML.

### **Weaknesses**

1. Uses symmetry to find the sin and cos of multiple of  $\pi/3$ ,  $\pi/4$ , and  $\pi/6$  instead of reference angles. ( no mention of reference angles )
2. Does not evaluate a composite trigonometric expression.
3. Right triangle trig is in a separate unit from the unit circle
4. Does not solve an equation with a multiple angle except one that can be done by substitution.
5. In Law of Cosines in a SSS triangle it doesn't find the angle opposite the longest side first. And in a SAS triangle it recommends using only the Law of Cosines for solving the whole thing
6. No separate writing exercises.