

Textbook Information

Math 141 E – Plane Trigonometry

Spring 2015

Textbook Policy: Due to price consideration, students are welcome to use previous editions of the textbook. Furthermore, any used textbook titled Trigonometry will suffice. You shouldn't buy anything beyond \$30. Some other, recommended authors of trigonometry books:

Charles McKeague, Marvin Bittinger, Michael Sullivan, James Stewart, Robert Blitzer
Here is link to a free textbook: [Click here for Corral's free text](#) (save it as a pdf)

Please note that there will be handouts posted on the class's web site covering most topics.

The Mathematics Department of Truman College selected the following text:

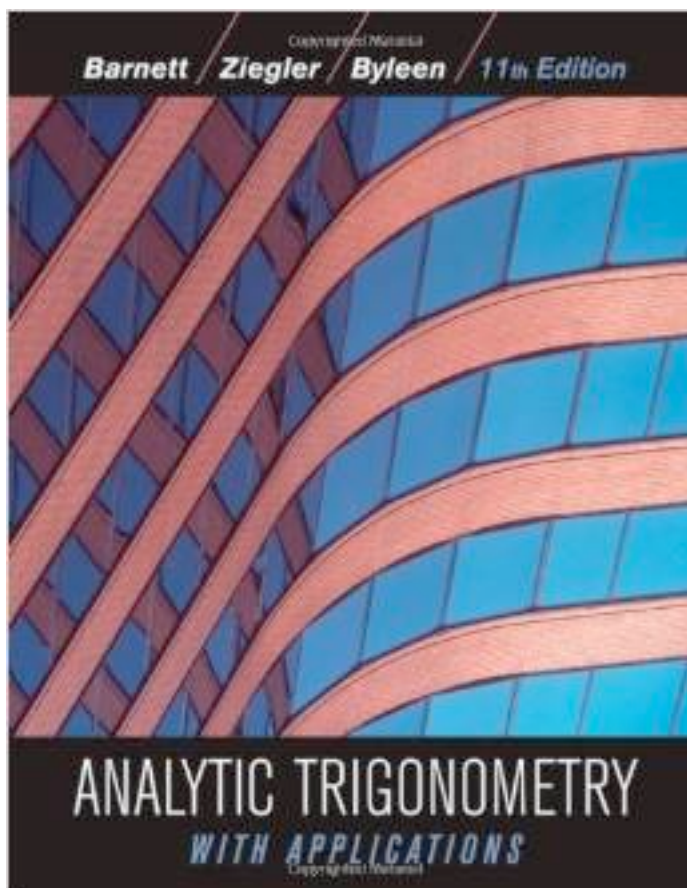
Title: Analytic Trigonometry with Applications

Author: Raymond Barnett, Michael Ziegler, and Karl Byleen

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Edition: 11th edition, 2012

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Contents

Chapter 1 – Right Triangle Ratios

- 1.1 Angles, Degrees, and Arcs
- 1.2 Similar Triangles
- 1.3 Trigonometric Ratios and Right Triangles

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- 2.2 Linear and Angular Velocity
- 2.3 Trigonometric Functions: Unit Circle Approach
- 2.4 Additional Applications
- 2.5 Exact Values and Properties of Trigonometric Functions

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- 3.2 Graphing $y = k + A \sin Bx$ and $y = k + A \cos Bx$
- 3.3 Graphing $y = k + A \sin(Bx + C)$ and $y = k + A \cos(Bx + C)$
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- 5.1 Inverse Sine, Cosine, and Tangent Functions
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- B.2 Graphs and Transformations
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