Chapter 7 Section 1 MA1032 Data, Functions & Graphs

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November 13, 2006

Image: A match a ma

Exercises #2 and #14

Use the figure to find the missing sides, *a*, *b*, *c*, and angles, *A*, *B*, *C* (if possible). if there are two solutions, find both.



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Two airplanes leave Kennedy airport in New York at 11am. The air traffic controller reports that they are traveling away from each other at an angle of 103° . The DC-10 travels 509 mph and the L-1011 travels at 503 mph. How far apart are they at 11:30 am?

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A central angle of 2° lies in a circle of radius 5 feet. To six decimal places, find the lengths of the arc and the chord determined by this angle.

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Law of Sines
Law of Cosines

Ambiguity

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