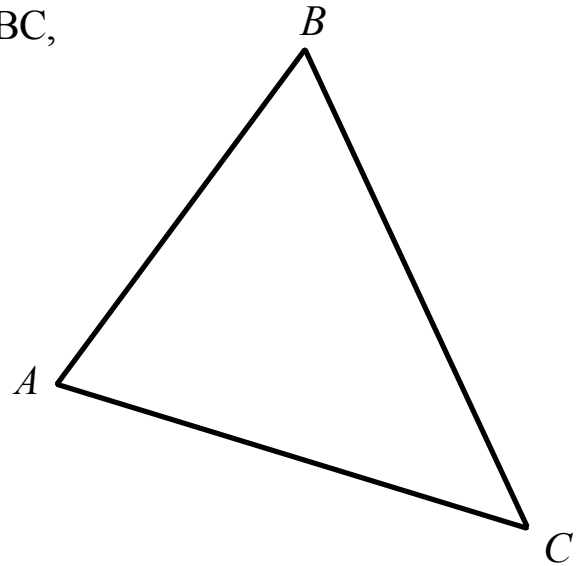


Algebra II

12-6

Law of Cosines

Law of Cosines - Given the general triangle $\triangle ABC$,

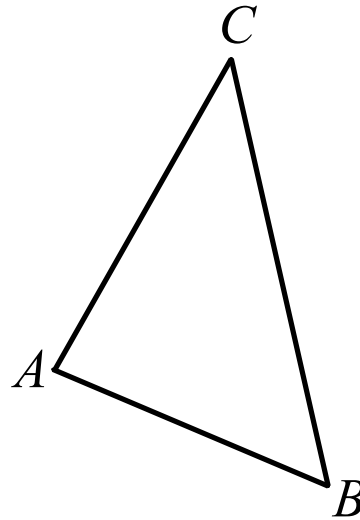


Find lengths to three significant digits and the measures of the angles to the nearest tenth of a degree. (pg 582)

- 1) $a = 6$
 $b = 7$
 $C = 20^\circ$
 $c = \underline{\hspace{2cm}}$

Find lengths to three significant digits and the measures of the angles to the nearest tenth of a degree.

- 9) $a = 13$
 $b = 30$
 $c = 40$
smallest angle = _____



(pg 583)

- 1) A ranger in an observation tower can sight the north end of a lake 15 km away and the south end of the same lake 19 km away. The angle between these two lines of sight is 104° . How long is the lake?

Assignment: Pg. 582 1-14 all, Pg. 583 2-8 all.
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