Law of Sines/Cosines

**CORE STANDARDS**

G.SRT.10

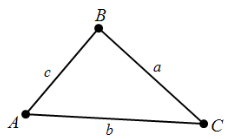
G.SRT.11

LESSON

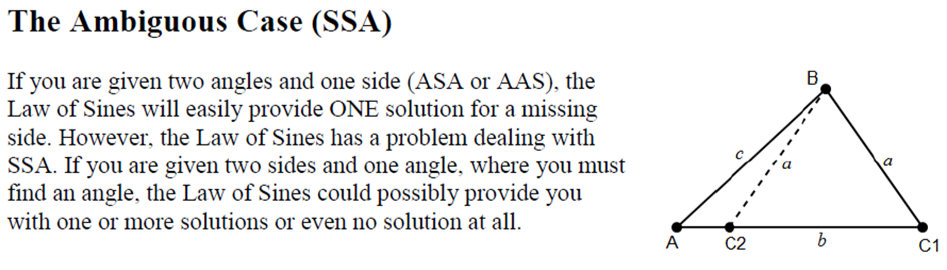
**6-4**

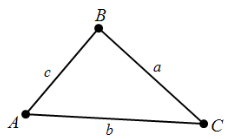
Secondary Math 3

OBJECTIVE **1. I can use the Law of Sines and Law of cosines to solve triangles.**

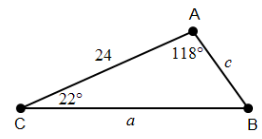
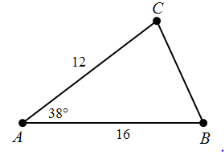
NOTES **Law of Sines**: For any triangle sine of each angle related to the length of the opposite side.

or

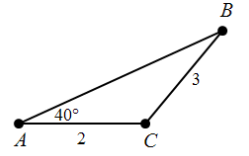


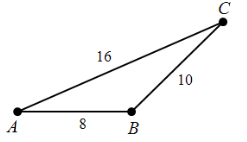
**Law of Cosines:** For any triangle, the Law of Cosines relates the length of a side to the other sides and the cosine of the included angle.

EXAMPLES



1. 4.





1. 5.
2. Triangle ABC with sides a = 6, b= 8, and m∠A = 35

PRACTICE **6-3** NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[SHOW YOUR WORK]