7.3 Notes<br>Law of Cosines

Use for SSS and SAS.

$$
\begin{aligned}
& a^{2}=b^{2}+c^{2}-2 b c \times \cos A \\
& b^{2}=a^{2}+c^{2}-2 a c \times \cos B \\
& c^{2}=a^{2}+b^{2}-2 a b \times \cos C
\end{aligned}
$$

We will work eGrade problems \#120 through 123

