## 7.3 Notes Law of Cosines

Use for SSS and SAS.

$$a^{2} = b^{2} + c^{2} - 2bc \times cos A$$
  
 $b^{2} = a^{2} + c^{2} - 2ac \times cos B$   
 $c^{2} = a^{2} + b^{2} - 2ab \times cos C$ 

$$c^2 = a^2 + b^2 - 2ab \times cos C$$

We will work eGrade problems #120 through 123