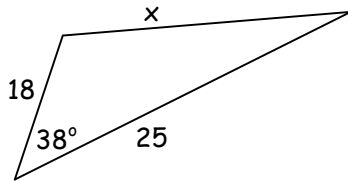


The Law of Cosines is used to find missing sides or angles of any **SAS** or **SSS** triangle.

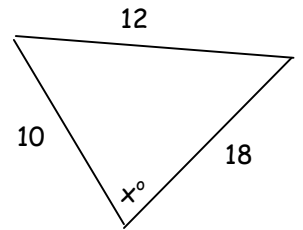
$$c^2 = a^2 + b^2 - 2ab \cos C$$

where angle C is **between** side a and b

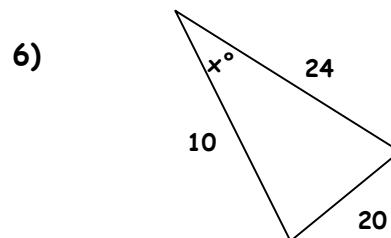
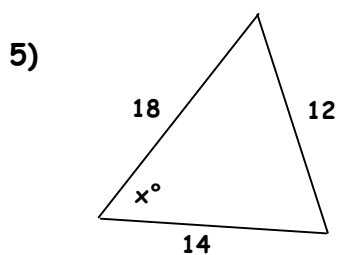
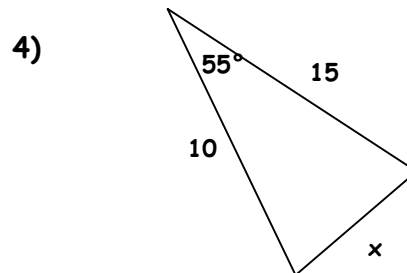
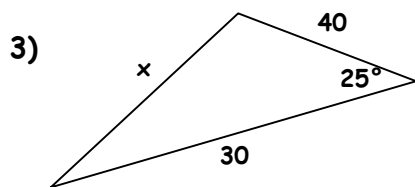
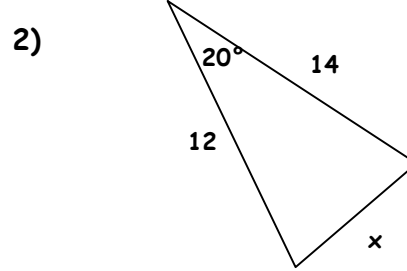
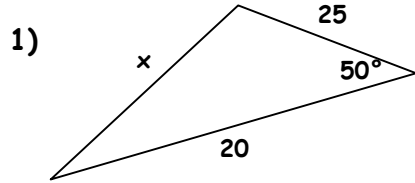
Example #1:



Example #2:



Use the Law of Cosines to find the missing side or angle.



Find the missing side length or angle measure (x) in each triangle:

