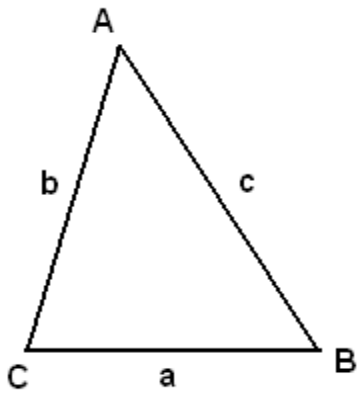
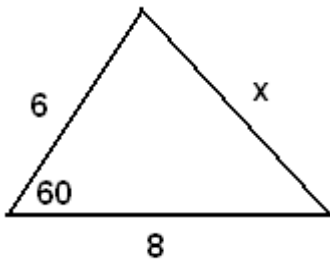


CP Geometry  
Law of Cosines

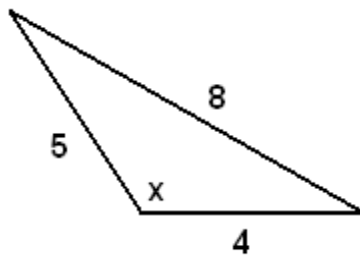
Name: \_\_\_\_\_



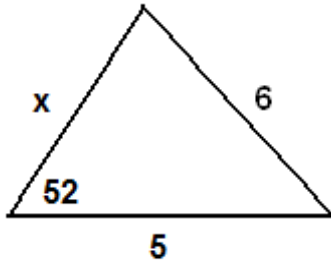
[ EX 1 ] Use the Law of cosines to find the value of x.



[ EX 2 ] Use the law of cosines to find the value of x.



[ EX 3 ] Find the value of  $x$ .



[ EX 4 ] In baseball, the four bases form a square of side length 90 feet. The pitcher's mound is 60.5 feet from home plate. Find the distance from the pitcher's mound to first base and the measure of the angle formed by the pitcher's mound and first base.