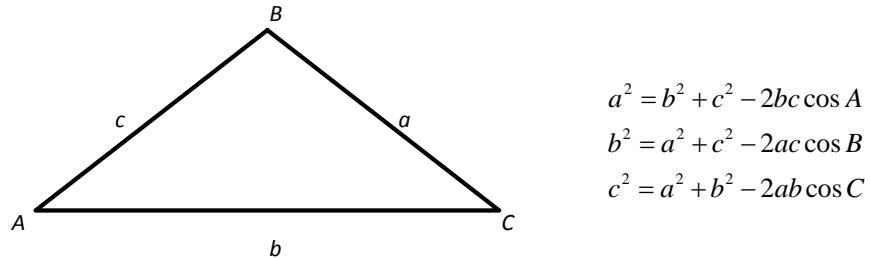


## Law of Cosines

The Law of Cosines is used to solve oblique triangles (triangles that do not have a right angle) when you have SAS or SSS.



1. Solve each triangle.

a)  $\angle A = 112^\circ$

$c = 10$

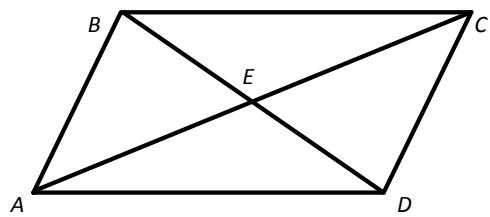
$b = 15$

b)  $a = 9$

$b = 14$

$c = 17$

2. Find the missing parts of the parallelogram.



Given

$$AB = 10$$

$$AD = 12$$

$$EC = 9.5$$

$$BD =$$

$$\angle BAD =$$

$$\angle ABC =$$

$$\angle BCD =$$

$$\angle CDA =$$