

Law of Cosines

1. Solve each triangle.

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

$c = 10$

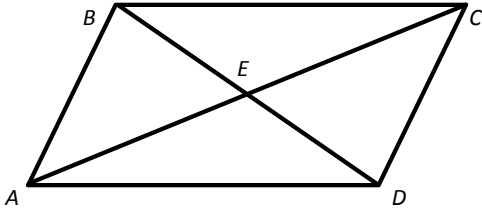
$b = 15$

b) $a = 9$

$b = 14$

$c = 17$

2. Find the missing parts of the parallelogram.



Given

$AB = 10$

$AD = 12$

$EC = 9.5$

Find

$BC =$

$CD =$

$AC =$

$BD =$

$\angle BAD =$

$\angle ABC =$

$\angle BCD =$

$\angle CDA =$