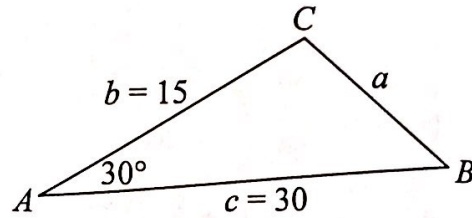


Law of Cosines

Use the Law of Cosines to solve the triangle (find all three angle measures and all three side lengths).

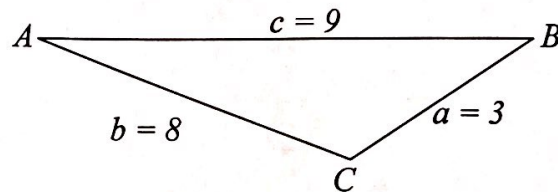
1.

Angles	Sides
$A = 36^\circ$	$a = 18.59$
$B = 23.79^\circ$	$b = 15$
$C = 126.21^\circ$	$c = 30$



2.

Angles	Sides
$A = 19.19^\circ$	$a = 3$
$B = 61.23^\circ$	$b = 8$
$C = 99.58^\circ$	$c = 9$

3. $a = 11, b = 14, c = 20$

Angles	Sides
$A = 31.98^\circ$	$a = 11$
$B = 42.38^\circ$	$b = 14$
$C = 105.64^\circ$	$c = 20$

4. $B = 135^\circ, a = 4, c = 9$

Angles	Sides
$A = 13.46^\circ$	$a = 4$
$B = 135^\circ$	$b = 12.16$
$C = 31.55^\circ$	$c = 9$