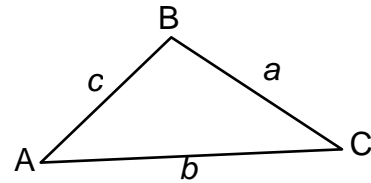Trigonometry
Solving Triangles, The Law of Sines: Homework #1 (No Ambiguous Case)

*For the following problems, use the triangle shown to the right
and the three measures given, to find the three missing measures.
The triangle is not drawn to scale!*

1) Given: $A = 30°$, $B = 100°$, $a = 10$
    Find: C, b, c

2) Given: $B = 120°$, $a = 12$, $C = 55°$
    Find: A, b, c

3) Given: $C = 50°$, $B = 50°$, $b = 5$
    Find: A, a, c

4) Given: $A = 91°$, $C = 20°$, $c = 7$
    Find: B, a, b

5) Given: $A = 45°$, $B = 65°$, $c = 25$
    Find: C, a, b

6) Given: $B = 70°$, $a = 11$, $C = 40°$
    Find: A, b, c