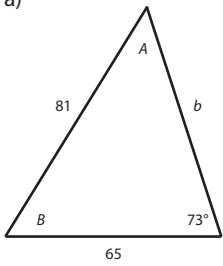


Name:

4-A The Law of Sines

1. Solve.

a)



b) $A = 39^\circ, B = 67^\circ, b = 20$

2. Solve if possible. If a second triangle exists, find it as well.

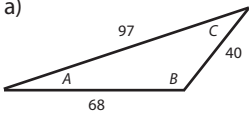
a) $A = 24^\circ, a = 12, b = 15$

b) $A = 84^\circ, a = 12, b = 15$

4-B The Law of Cosines

3. Solve.

a)



b) $A = 77^\circ, b = 8, c = 12$

4-C Areas of Triangles

4. Find the area.

a) $a = 22, b = 17, c = 15$

b)

