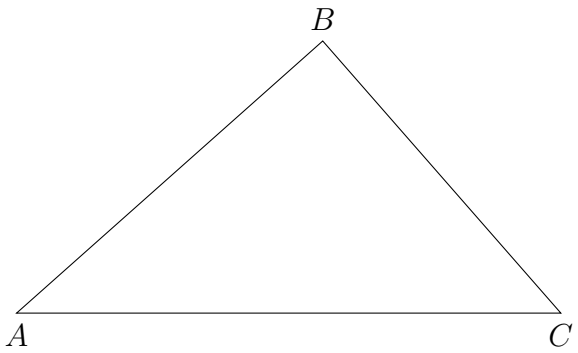
BECA / IB Math 6 Geometry Name:
16 March 2022

6.3 The Law of Sines

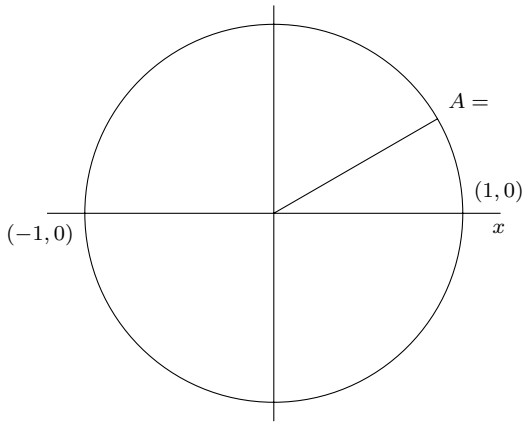
1. Triangle ABC has $\hat{A} = 40°$, $AB = 7$ cm, $BC = 6$ cm. Find the measure of $\hat{C}$:

   (a) Write down the law of sines, substituting appropriate values.

   (b) Solve for the measure of angle C



2. Given a circle with radius of one, centered on the origin. An angle with measure $30°$ is placed in standard position. Mark the point A, the intersection of the circle and angle ray, as an ordered pair.



(a) Write down the value of $\sin 30°$

(b) Write down the value of $\cos 30°$