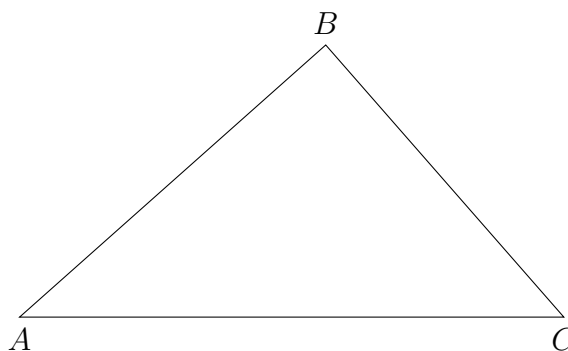


6.3 The Law of Sines

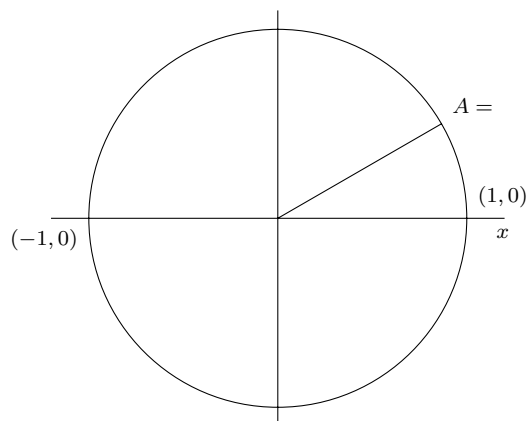
1. Triangle ABC has $\hat{A} = 40^\circ$, $AB = 7$ cm, $BC = 6$ cm. Find the measure of \hat{C} :

(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 $\sin 30^\circ$

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