

## Quiz 5

1. Draw a circle of radius  $r = 6$  which is centered at the origin. Label the two points  $A = (-6, 0)$  and  $B = (0, 6)$ , and compute the length of the arc segment obtained by traversing the circle **counter-clockwise** from  $A$  to  $B$ .

(8 pts.)

2. Compute  $\sin(\theta)$ ,  $\cos(\theta)$ , and  $\tan(\theta)$  for  $\theta = 210^\circ$ .

(6 pts.)

3. Compute the exact value of  $\frac{\sin(\pi)}{\cos(\pi)} - \cos(\pi/2)$ .

(6 pts.)