1. Θ’= 0.75 rad = 45o because Δθ = ( vL – vR)/d \*t

x’ = sqrt(2)/4

y’ = (sqrt(2) -2)/4

2.)

a.)

b.)

AOb =  BOc ==  .

c.) Follow equation (3.13) on slide 10 of “Coordinate Systems and Transformations.”