

PHYS 211: Quiz 6

May 30, 2012

- An object moves in a circle of radius 1m with constant angular acceleration of 1 rad/s^2 starting from rest on the x -axis.
 1. Draw a picture first (this should always be your first step, so I won't say it from now on.)
 2. Draw the angular position, angular velocity, and angular acceleration as a function of time.
 3. Now, draw the x -position, y -position, and v_x and v_y as a function of time as well. (Try to think intuitively, or using your picture about what the object is doing in the x and y directions.)