Problem 5: Write parametric equations to describe the curve traced by the following motion: A particle with center $(0,0)$ and radius 2, starting at $(2,0)$, at time $t = 0$, moving counterclockwise with a constant speed of 1 radian/sec. (Source: AoPS Calculus)

The parametric equations are

$$x(t) = 2\cos t$$
$$y(t) = 2\sin t$$

Thus the parameterization is $\boxed{(x,y) = (2\cos t, 2\sin t)}$.