

HW12

① Let $(\rho, \varphi, \theta) = (t, \pi/6, 5t)$

(This is a spiral on a cone.)

Convert this to $\vec{r} = \langle x, y, z \rangle = \langle ?, ?, ? \rangle$.

Find \vec{r} , \vec{v} , $|\vec{v}|$, \vec{T} at $t = \pi/20$.