## Worksheet

Given the direction of the velocity $\vec{v}$ of point $P$, as shown in the figures below. For each of the six situations below, sketch the path unit vectors $\hat{e}_{t}$ and $\hat{e}_{n}$, along with the acceleration vector $\vec{a}$. Recall: $\vec{a}=\dot{v} \hat{e}_{t}+\frac{v^{2}}{\rho} \hat{e}_{n}$.


