10.1 - Projections of a curve

Consider the curve given by $ec{{f r}}(t)=t\hat{i}-rac{\sqrt{3}}{2}t^2\hat{j}+rac{1}{2}t^2\hat{k}.$

Sketch all three planar projections. Can you visualize the entire curve by looking at the projections? [Check yourself by using *Mathematica's* ParametricPlot3D[....].]

Consider the curve described by $\vec{\mathbf{r}}(t) = \langle t \cos t, t \sin t, t \rangle$ Sketch all three planar projections. Can you visualize the entire curve by looking at the projections? [Check yourself by using ParametricPlot3D[....].]