## Problem Set \#3

Question \#1

You can think of the $\mathrm{Ox}_{1} x_{2} x_{3}$ coordinate-axis vectors as a tripod sitting on a table.
Then the rotation axis $\hat{n}$ is a unit vector pointing straight down.
The $120^{\circ}$ right-handed rotation takes each axis into another axis.


The rotation appears to be drawn as a left-handed about $\hat{n}$ because $\hat{n}$ is pointing down. If you looked up from below the table, the rotation would indeed seen to be right-handed.

