Problem Set #3 Question #1

You can think of the $Ox_1x_2x_3$ 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° 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.