

1. Longitude affects the stars we see every night because it measures east to west and depending on your location you see different stars because of different zeniths. This can also be seen if you stand in one place, at one point of the year you would see certain stars above you and a different time of the year you would see different ones, because changing tilts of the earth.
2. Counter-clockwise - Earth's rotation
3. Clock-wise
4. Yes, on the equator the stars rise and set straight up and down. From Hoboken facing east they rise from the south-east (45 degrees right of east)