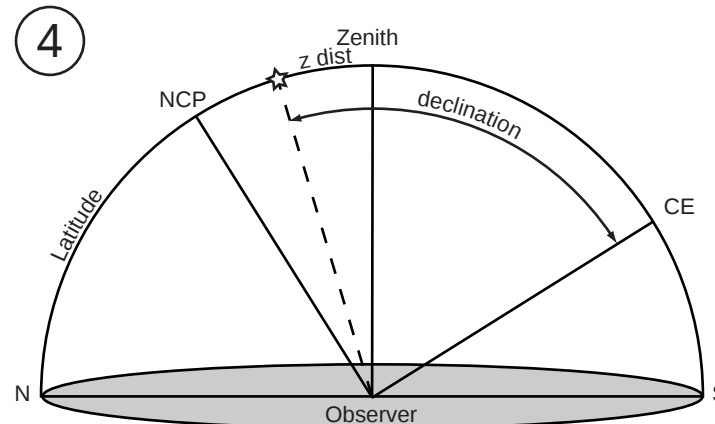
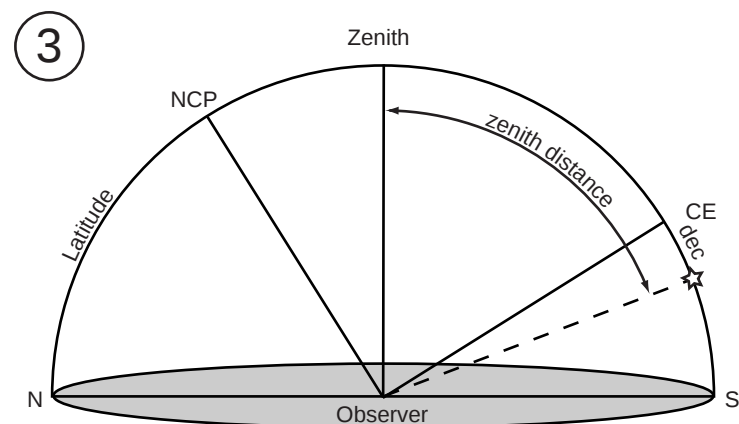
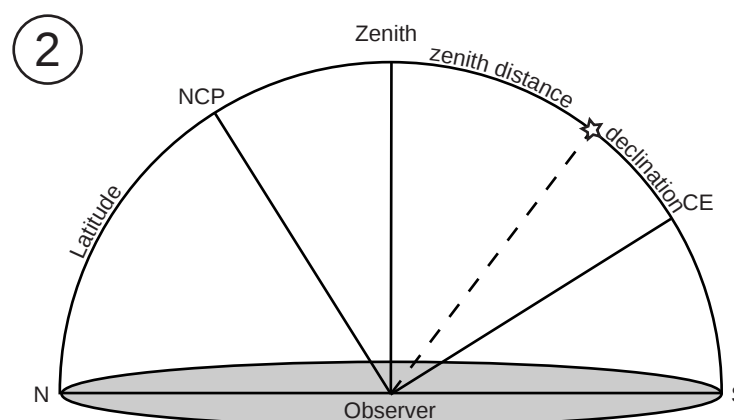
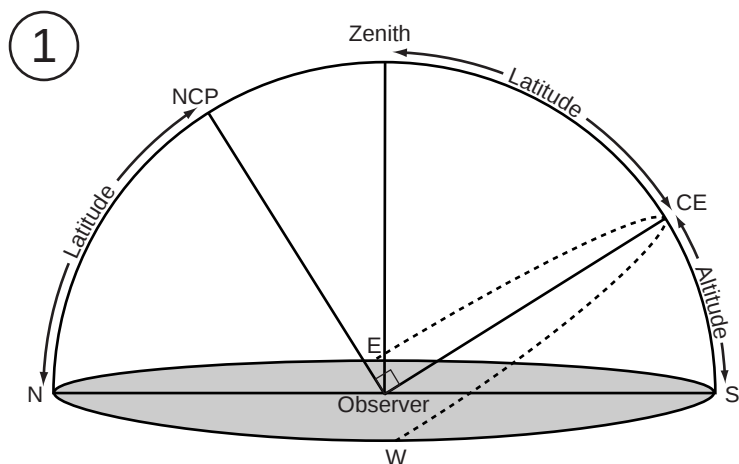


AST101: Latitude Worksheet



NCP: North Celestial Pole

CE: Celestial Equator

Zenith distance(obj) + Altitude(obj) = 90°

Latitude = Altitude of NCP
 = Zenith distance of Cel. Eq.
 = Declination + zenith distance*

*zenith distance is measured positive toward south and negative toward north.

Diagram	Latitude	Declination	Zenith Dist.
Arcturus ②		19°	39°
Spica ③			69°
Kochab ④			
Mars	43°		
Betelgeuse		7°	