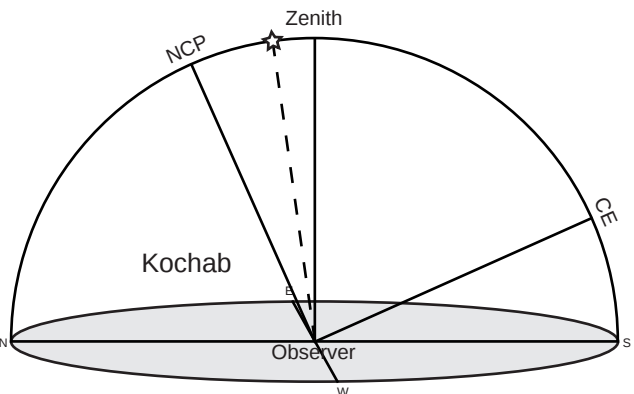
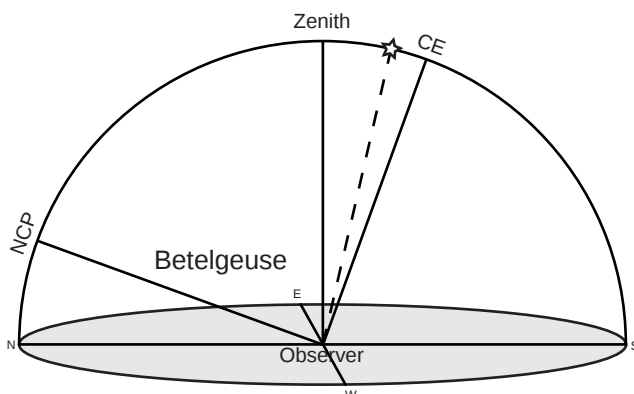
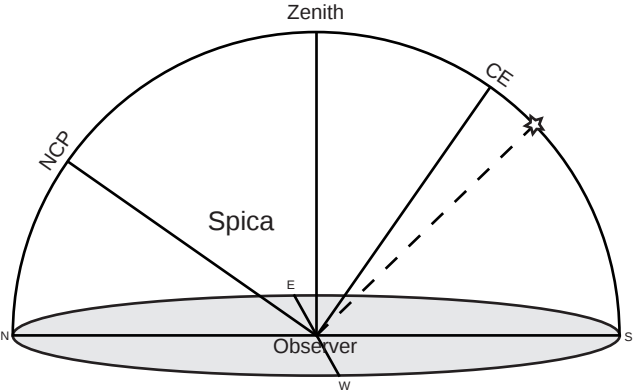
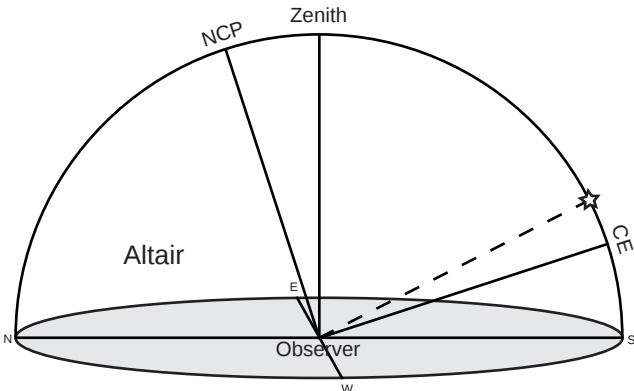
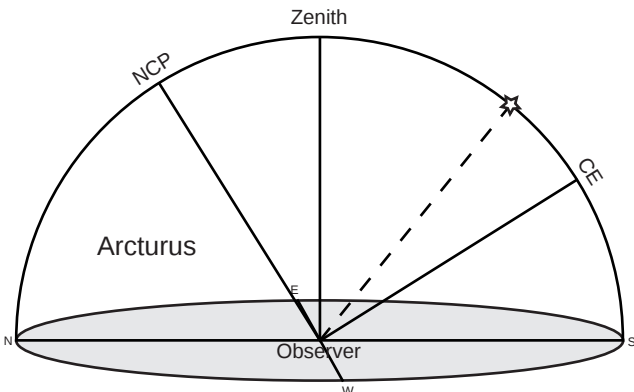
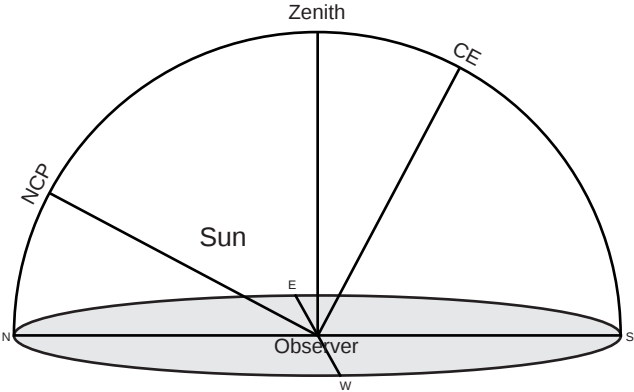


AST101 Latitude Takehome (Quiz 7)

Name: _____



NCP: North Celestial Pole
CE: Celestial Equator
 $\text{Zenith distance(obj)} + \text{Altitude(obj)} = 90^\circ$

$$\begin{aligned} \text{Latitude} &= \text{Altitude of NCP} \\ &= \text{Zenith distance of Cel. Eq.} \end{aligned}$$

Fill in the
blanks in
the table:

Object	Latitude	Declination(obj)	Zenith Dist.(obj)	Altitude(obj)
Sun		September 21		62°
Arcturus		19° N	39°	
Altair	72 °N			27°
Spica		11° S		44°
Betelgeuse		7° N	13°	
Kochab		74° N	- 8°	