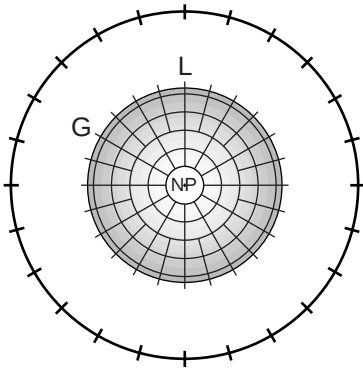


AST101: Longitude Worksheet

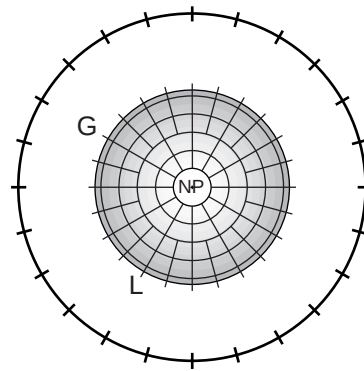
L = Local position, G = Greenwich, ☉ = Sun

What is the Longitude of the local position?



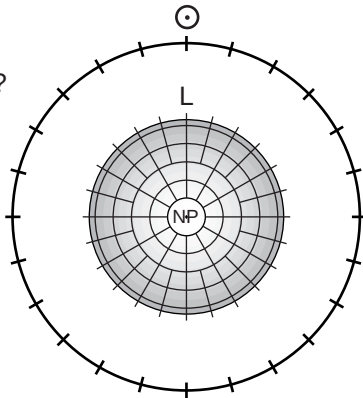
#1

#2



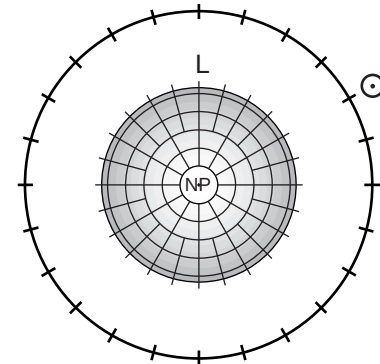
Longitude =

What is the local (mean) solar time?



#3

#4

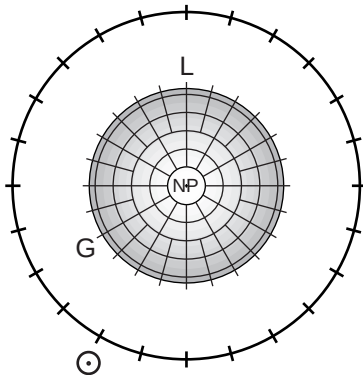


What is the LMT?

1) LMT =

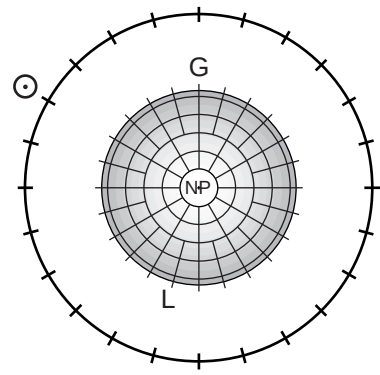
2) GMT =

3) Long. =



#5

#6



GMT =

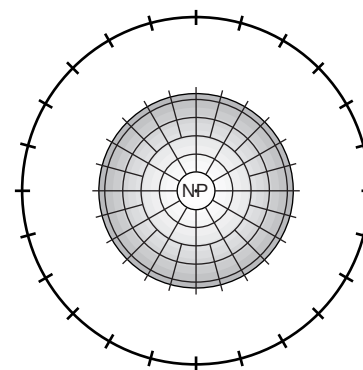
LMT =

Long. =

LMT = 3 p.m.

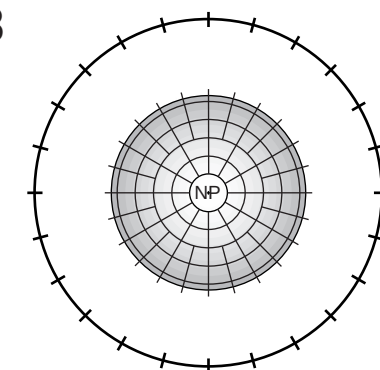
GMT = 9 p.m.

Long. =



#7

#8



LMT = 8 p.m.

GMT = 3 p.m.

Long. =