Instructions

1. Do not open the exam envelop yourself.
2. This part of the exam consists of 7* problems located in separate exam stations.
3. You have 5 minutes to complete each problem.
4. After "out of time" is signaled, stop all actions and remain at the same station.
5. After "next station" is signaled, proceed to the next exam station and hand the exam envelope to the station's proctor.
6. Use only blue pen to mark into the answer sheets provided. Any answers written in the answer sheet at the end of timer is considered final and will be graded towards the final score.

* Number of problems will be reduced to 5 if night observation was successful

P6: Find Latitude from Equatorial Mount

Instruction: Without altering the polar alignment, find the observer's latitude based on a previously polar-aligned equatorial mount.

Included:

- An Equatorial Mount Telescope that has already been **properly** aligned to a location in the northern celestial pole.
- Bubble Level.
- Latitude dial on the mount is covered (you may not use it).

Latitude: _____