

## **Nighttime Observing Lab Write-up:**

Please complete a 1-page write up that answers the following questions. Your write-up should be on a separate sheet of paper and may be either hand written or typed (typed is preferable). In addition, on another piece of paper (or on the back of your write-up), please sketch 2-3 of the objects you observed through either the 16 or 18-inch telescope as you saw them through the eyepiece.

### Night Sky Knowledge:

1. What is the name of the line that runs directly overhead from North to South?
2. What do we call the point directly overhead on the night sky?
3. In which direction do the stars rise and in which direction do they set?
4. What is the term for stars that neither rise nor set and circle the North Celestial Pole?

### Observation Results:

1. What objects did you observe through the telescopes and where in the sky were they located? (Give location either in terms of direction – N, E, S, W – and approximate altitude or in terms of Right Ascension and Declination)
2. What did you find interesting about the objects you observed?
3. What object(s) would you have liked to observe and why? Please include the reason why you didn't get a chance to observe this object(s) (i.e. it wasn't in the sky that night, clouds were in the way, didn't have time, etc...).