

Instructions for: *LSW #1: The Metric System and Angular Measurement*

In Unit I, answer all questions, except for the following:

- Question 4, part j.

In Unit II, answer all questions, except for the following:

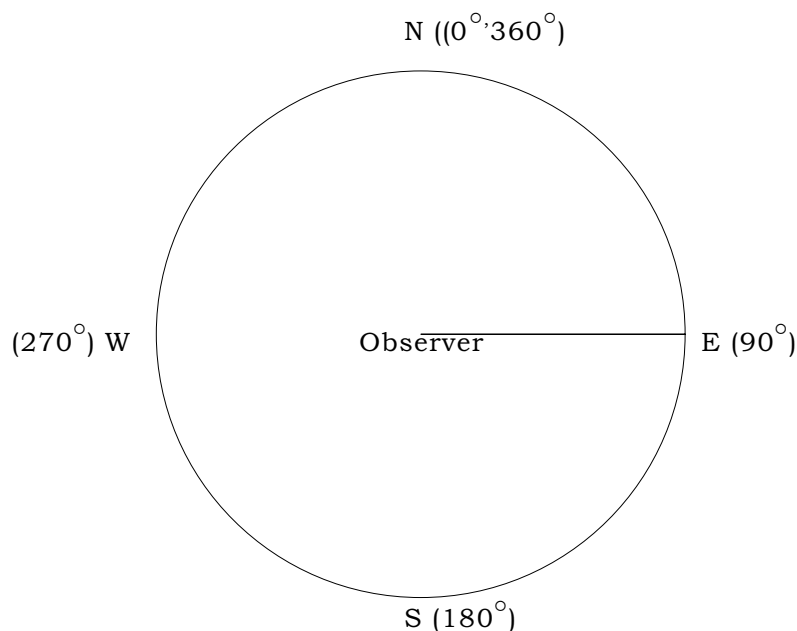
- Question 1, part k.
- Question 2, parts e, f.

Important:

Remember—when doing calculations I expect to see the problem setups of what you needed to do to get your answers.

Write your answers to both questions and problems in the spaces provided. The LSW labs don't provide much space, however, so calculations may be displayed on scratch sheets if you wish. If you do that, be sure to copy your final result in the space provided. That's where I look for your answers—in the meager spaces provided by the LSW team.

Question 3 deals with the altazimuth (horizon) coordinate system. A key to understanding it is to always have in mind how the azimuth numbers run along the horizon. Due north is the reference direction (0°) and azimuths increase from there eastward all the way to 360° at north again. From an aerial view, it looks like this, with the observer at the center:



azimuth increases moving clockwise and decreases moving counter-clockwise