# Exercise 13.0

# Lunar Motion Answer Sheet

1.  Date to begin Moon's motion:          Date _____ ;  ZT_____.

    Moon's position on printout 1:          RA _____ ;  DEC _____.

2.  Date of end of Moon's motion:          Date_____ ;  ZT_____.

3.  Time for one lunar orbit in days and decimal parts thereof:          _____.

4.  Name of Period (See Sec. **I**):          _____.

5   Lunar Elongation in degrees as measured on printout #3:          _____.

6.  Above elongation of the Moon converted to hours and minutes:          _____.

7.  Calculated LAT of Moon rise/set using the equation of Sec. **I**:          _____.

8.  Hour angle of the Sun in degrees as measured on printout #3:          _____.

9.  Hour angle of the Sun converted to hours and minutes:          _____.

10. Computed Lat from above hour angle of Sun:          _____.

11. Moonrise/set from horizon system printout (#4):          _____.


Details of the calculation for the answer to #3: