Use a calculator whenever necessary.

For full credit, always show your work and explain how you got your answer.  
Be careful about units!

Please CIRCLE or put a box around your final answer if it is numerical.

If you wish, you may discuss the questions with friends, but please turn in your own handwritten solutions, with questions answered in your own way.

1) Geologists study different strata to determine conditions on Earth long in the past. For example, dinosaur bones are found in strata dating from 250 million to 65 million years ago. How is it that astronomers are able to study parts of the Universe as they were in the past?

2) Identify the following asterisms and any numbered stars or special objects….

a) 

asterism ______________________

Messier no.____________________

Messier name__________________
3) Now that we have discussed a number of deep-sky objects, pick out which objects represent a phase of our sun’s life and place them in proper order.

4) Circle and label the 16 brightest stars visible from DVC on the two skycharts on the following two pages.