

## Reading / Comparing Chars:

Use the handout: “**sky star chart**” to answer the following questions:

1. What does the Y-axis intervals (numbers) go up or down by? (Every single line)
2. What does the X-axis intervals (numbers) go over by? (Every single line)
3. What is the name of the constellation at the X and Y coordinates of (1hr, -50).
4. What is the name of the constellation at the X and Y coordinates of (10hr, 20).
5. What are the X and Y coordinates of Orion.
6. What are the X and Y coordinates of Monoceros.
  
7. Use the “**Star Color and Temperature chart**” to answer the following questions
  - a. What color is the hottest on color and temperature chart?
  - b. What color is the coldest on color and temperature chart?
  - c. Does the temperature range go up by a constant (same) number from color to color?
  - d. What do you think the letters on the left stand for?
  - e. What are similarities dealing with the information (star color and temperature) from the 2 tables on the first page?
  - f. What are differences dealing with the information (star color and temperature) from the 2 tables on the first page?
  - g. Which table is easier to read? Why do you feel this way?
  
8. Use the “**Kinds of Stars chart**” to answer the following questions
  - a. What is the largest type of star from the Kind of Star chart?
  - b. Other than the unknown, what is the smallest kind of star from the Kind of Star chart?
  - c. What do the letters are on left mean?
  - d. Where else have you seen these Roman numeral in the real world?
  - e. What does a White dwarf planet eventually turn into? (Use Life cycle of stars chart)
  - f. What 3 types of stars can a main sequence star turn into eventually? (Use Life cycle of stars chart)
  - g. What are some similarities you see from the Kind of Star chart and the Star Size Cutout chart?