Phys 102 Astronomy Name Solution

STELLAR EVOLUTION IN THE SKY

1)[3] On the diagram below, neatly (TAKE TIME TO BE NEAT AND CAREFUL IN YOUR WORK!)

a)[10] Sketch the constellation lines & label Lyra, Cygnus, Aquila, The Keystone and The Teapot.

b)[30] Using DIFFERENT COLORS for different **LUMINOSITY** classes, label the stars Deneb, Vega, Sheliak, Sulaphat,Alberio, Sadr, Altair, Tarazed, Denebokab (δ Aql), Althalimain (λ Aql), Dabih (β Cap), Deneb Algeidi (δ Cap), ζ Her, Ras Algethi (α Her), Kornephoros (β Her) and Kaus Borealis (λ Sgr), with their name and spectral type. (Use the colors indicated in the legend! Deneb is shown as an example)

c)[15] Indicate the positions of Lagoon, Eagle, Ring, and Veil Nebulas and Cyg. X-1, and state the type of object and the stage of stellar evolution taking place in each (the North America Nebula is an example).

