

Name: _____

Physics 220, Quiz 8
4/9/09

1. The electron in a hydrogen atom is known to have $n=6$.

a) What are the possible values of l it could have?

b) For the largest value of l you listed, what are all of the possible values of m ?

c) Draw a vector model representation of the angular momentum for the largest value of l you listed. Explain briefly in words what this representation shows.