1.) We know that problem Blue is in P, Red is in NP, Green is NP-Complete, and Yellow is NP-Hard. For each of those problems, state whether the following observations are definitely true, definitely false, very likely true, very likely false, or unknown.

a.) The problem is in P
b.) The problem is in NP
c.) The problem is NP-Hard

2.) The Even Travelling Salesman problem is the same as Travelling Salesman, except the salesman is only allowed to take flights with an even cost. What do we know about the computational complexity of ETS?

3.) We know that we can map LARRY to CURLY efficiently, and CURLY to MOE efficiently. We know that CURLY is NP-Complete. What do we know about LARRY and MOE?