Genetics Extra Credit opportunity! Worth 3 points on Exam 3!

Look at an online source to find an autosomal recessive disease that we have NOT yet talked about in class or in a problem set. The disease must have a known prevalence within a defined population (it need not be the U.S. population).

1) Describe your chosen autosomal recessive disease, its prevalence, and the population for which your prevalence is relevant (e.g., Disease X is found in 1/25,000 births in Scandinavian countries). This section should be 1-2 paragraphs.

<https://en.wikipedia.org/wiki/Category:Autosomal_recessive_disorders>

The page above has an alphabetical listing of known autosomal recessive disorders. Follow the links to find one that has disease prevalence information. Once you identify a disease, you can Google to find more information about it. ***Be sure to cite the pages from which you obtain information!*** Simple inclusion of URLs at the end of the paragraph will be sufficient. ***Assignments without citations will not receive ANY credit!!!***

2) Assume the pedigree below is a pedigree for a family affected by your chosen disease. What is the probability that the unborn child indicated at the bottom of the pedigree by the ? is affected by the disease? ***Show all of your work! If I can’t follow your logic, you will not receive credit!***

