1.) For a population in Hardy-Weinberg equilibrium, the frequency of the recessive allele is 0.3. What percentage of the population is heterozygous?

2.) If the allele frequency of the dominant allele D in a Hardy-Weinberg population is 0.8, what are the expected genotype frequencies of DD, Dd and dd?

3.) In a population of guinea pigs, black fur is dominant to white fur. If 25% of the population has the recessive allele, and assuming Hardy-Weinberg population, what percent of the population is homozygous dominant?

4.) The frequency of a recessive allele for a certain trait is 0.20 in a population at Hardy-Weinberg equilibrium. What percentage of the individuals in the next generation would be expected to show the dominant trait?

5.) If the frequency of a recessive allele in a Hardy-Weinberg population is 40%, what frequency of the population would you expect to express the recessive trait?