Please answer the following questions and hand in your answers at the beginning of class on Monday 02/04. Remember $p+q=1$ and $p^2+2pq+q^2=1$

1. In Table 25.1 (pg. 438) in your text calculate the allele frequencies and expected genotype frequencies for the Ainu population in Japan.

\[ p= \quad q= \]

\[ p^2= \quad 2pq= \quad q^2= \]

2. A population is in Hardy-Weinberg Equilibrium for the $H$ locus with alleles $H$ and $h$. The frequency of the $hh$ genotype is 0.49. What is the frequency of the $H$ allele?

3. What is the frequency of heterozygotes in this population?