The graphs below represent allele frequency changes at each of the nucleotide sites above.

Each of the sites might be a site
(a) where a recent mutation has occurred
(b) where a substitution has occurred in the combined lineage
(c) that is monomorphic within D. simulans and identical between the two species.

Given that the above data at sites 1, 2 & 3 was taken at the present time, what is the best way to match it with (A), (B) & (C)?
2. (5 points) Mark on the figure below which curve corresponds to \( K \), the number of substitutions per site, and which curve corresponds to \( p \), the observed proportion of differing sites.