Hello professor this my answer for Homework 4

**1 - A**

Because hexane is non-polar and chloroform is polar, it is a non-ideal solution because they are both stronger on their own; therefore, it is a positive deviation - more vapor is produced.

**2 - A**

A solution of two liquids, A and B, deviates from Raoult's law in a negative way. This indicates that A's molecules interact strongly with other A-type molecules, resulting in a positive heat of solution between the two liquids.