NAME _____

Chemistry II Worksheet
Molality & Colligative Properties

INSTRUCTIONS: Work each of the following problems in the space provided. Show all your work and circle your final answer.

1. What is the molality of a solution containing 10.0 g of sodium sulfate dissolved in 1000.0 g of water?

2. What is the boiling point of a 0.625 m aqueous solution of any non-electrolyte solution?

3. What is the freezing point of a 0.40 m solution of glucose ($C_6H_{12}O_6$) in ethanol?

4. A lab tech determines the boiling point elevation of an aqueous non-electrolyte to be 1.12 °C. What is the solution's molality?

5. What will be the boiling point of 15.0 g of NaCl dissolved in 150.0 g of water?