General Chemistry Mr. MacGillivray Quiz #31: Molarity & Dilution

Solve the following problems. Show all work.

2. 3. 4.	Another name for a homogeneous mixture is a(n) A solution of two metals is called a(n) A solution in which alcohol is the solvent is called a(n) A solution in which water is the solvent is called a(n) solution. Determine the concentration of a solution in which 1.50 mol of BaCl ₂ is dissolved in enough water to make 12.0 L of solution.
6.	Determine the concentration of a solution in which $1.50~g$ of $BaCl_2$ is dissolved in enough water to make $12.0~L$ of solution.
7.	A chemistry student needs 50.0 ml of $0.035 M BaCl_2$ (aq) in order to carry out a lab experiment. However, the only solution available in the lab is $0.100 M BaCl_2$ (aq). Explain how she would make the dilute solution that is needed for her experiment. Show calcs clearly and use one sentence.