## Problem 2 - 23 points

Please set up the following problem, but do not solve. Clearly list your unknowns and number your equations. Two economy-sized jars of kosher dill pickles are suspended from cables as shown in the figure. Jar A weighs  $W_A=10$  lbs and jar B weighs  $W_B=8$  pounds. The tension in each cable (AB, BC, and CD) and the angle  $\theta$  are all unknown.

