Physics Chpt 12 Rev 3

1. 55.0 g of ice at 0.0^0 C are placed in a 225 g aluminum cup containing 455 g of water at 85.0^0 C. What is the final temperature of the mixture?

2. What is the "c" of a 82 g metal block at 100.0^o C it is put in 105 g of water at 13.1^o in a 88.0 g aluminum cup and the final temperature is 22.5^oC?
   "c" of aluminum is 903 J/kg C

3. What is the final temperature of 333 g of water at 91.0^oC in a 82.0 g aluminum cup if 45.0 g of ice are added?….(consider the ice to be at 0^oC)