Mole Worksheet (Dimensional Analysis) #3

I. What is the formula weight for each of the following compounds?

1. carbon tetrachloride
2. potassium cyanide
3. aluminum hydroxide
4. Iron(III) sulfate
5. sulfur hexafluoride

II. How many moles are represented by each of the following amounts?

1. 17.0 g of nickle
2. 187.6 g of calcium hydroxide
3. 65.8 g of dinitrogen tetroxide
4. 2.84 g of copper(I) sulfate
5. 0.008673 g of sulfur trioxide

III. What is the weight (in grams) for each of the following compounds or elements?

1. 7.24 moles of silver phosphate
2. 2.88 moles of diphosphorous pentoxide
3. 0.0009273 moles of zinc bicarbonate
4. 154.8 moles of silicon tetraiodide
5. 88.624 moles of silver