Stoichiometry WS

1. Sodium reacts with chlorine gas to form sodium chloride. If you had 39.3 grams of sodium to begin with, how many grams of salt are formed?
2. Hydrogen gas reacts with silver oxide to form silver and water. If you started out with 75.0 grams of silver oxide, how many grams of silver will result?
3. Sulfuric acid reacts with potassium hydroxide to form water and potassium sulfate. If you end up with 50.0 grams of water, how many grams of sulfuric acid did you start with?
4. Potassium chlorate decomposes to form potassium chloride and oxygen gas. If you have 250. grams of potassium chlorate, now many grams of potassium chloride did you end up with?
5. Phosphorus tribromide reacts with water to form hydrobromic acid and hydrogen phosphite. If you have 400. grams of phosphorus tribromide, how many grams of hydrobromic acid are formed?
6. Nitrogen gas reacts with hydrogen gas to form ammonia. If you had 50.0 grams of ammonia, how many grams of hydrogen did you start with?
7. Sodium chloride decomposes to form sodium and chlorine gas. If you start out with 15.0 grams of sodium chloride, how many grams of sodium are formed?
8. Silver nitrate reacts with ammonium chromate to form silver chromate and ammonium nitrate. If you start with 100.g of silver nitrate, how many grams of ammonium nitrate are formed?