Practice Sheet #2

I: Name the compounds below:

1. $H_2SO_4(aq)$: Sulfric acid
2. $CaCl_2$: Calcium chloride
3. Na_2SO_2: Sodium hyposulfite
4. HgI_2: mercury (II) iodide
5. $Fe(NO)_2$: iron (II) hyponitrite
6. $CuBr_2$: copper (II) bromide
7. $(NH_4)_3PO_4$: Ammonium phosphate
8. NaH: Sodium hydride
9. $Al(NO_2)_3$: Aluminum nitrite
10. Na_2CO_3: Sodium carbonate
11. $(NH_4)_2SO_4$: Ammonium sulfate
12. $ZnCl_2$: Zinc chloride
13. $KClO_3$: Potassium chlorate
14. MgO: Magnesium oxide
15. $Ca(ClO)_2$: Calcium hypochlorite
16. $Ba(HSO_4)_2$: Barium hydrogen sulfate
17. HBr (aq): Hydrobromic acid
18. K_2CO_3: Potassium carbonate
19. $HClO_4$ (aq): Perchloric acid
20. AlI_3: Aluminum Iodide
21. HNO_2 (aq): Nitrous acid
22. $Ca(NO_2)_2$: Calcium nitrite
23. CuCl: copper (I) chloride
24. $NaHCO_3$: Sodium hydrogen carbonate
25. $Cu(OH)_2$: copper (II) hydroxide
26. $Pb_3(PO_4)_2$: lead (II) phosphate
27. $MgSO_3$: Magnesium sulfite

II: Give the formula for:

1. Magnesium Sulphite: $MgSO_3$
2. Lead (II) Phosphate: $Pb_3(PO_4)_2$
3. Cupric Hydroxide: $Cu(OH)_2$
4. Sodium Bicarbonate: $NaHCO_3$
5. Cuprous Chloride: $CuCl$
6. Calcium Nitrite: $Ca(NO_2)_2$
7. Nitrous Acid: $HNO_2(aq)$
8. Aluminum Iodide: AlI_3
9. Perchloric Acid: $HClO_4(aq)$
10. Potassium Carbonate: K_2CO_3
11. Hydrobromic Acid: $HBr(aq)$
12. Barium Bisulphate: $Ba(HSO_4)_2$
13. Calcium Hypochlorite: $Ca(ClO)_2$
14. Magnesium Oxide: MgO
15. Potassium Chlorate: $KClO_3$
16. Zinc Chloride: $ZnCl_2$
17. Ammonium Sulphate: $(NH_4)_2SO_4$
18. Sodium Carbonate: Na_2CO_3
19. Alumnium Nitrite: $Al(NO_2)_3$
20. Sodium Hydride: NaH
21. Ammonium Phosphate: $(NH_4)_3(PO_4)$
22. Cupric Bromide: $CuBr_2$
23. Ferrous Hyponitrite: $Fe(NO)_2$
24. Mercury (II) Iodide: HgI_2
25. Sodium Hyposulphite: Na_2SO_2
26. Calcium Chloride: $CaCl_2$
27. Sulphuric Acid: $H_2SO_4(aq)$

28. $PbCl_2 \cdot 3H_2O$: lead (II) chloride trihydrate
29. $Zn(C_2H_3O_2)_2 \cdot 2H_2O$: Zinc acetate dihydrate
30. $CuSO_4 \cdot 5H_2O$: copper (II) Sulfate pentahydrate
31. $Na_2CO_3 \cdot H_2O$: Sodium carbonate monohydrate
32. $CaSO_4 \cdot 10H_2O$: Calcium Sulfate decahydrate

28. Calcium Sulphate Decahydrate: $CaSO_4 \cdot 10H_2O$
29. Sodium Carbonate Monohydrate: $Na_2CO_3 \cdot H_2O$
30. Copper (II) Sulphate Pentahydrate $CuSO_4 \cdot 5H_2O$
31. Zinc Acetate Dihydrate: $Zn(C_2H_3O_2) \cdot 2H_2O$
32. Lead (II) Chloride Trihydrate: $PbCl_2 \cdot 3H_2O$