Precipitation Lab Calculations Homework

Product Formula	$(NH_4)_2CO_3$ and $Cu(NO_3)_2$		
Reactions	Product Formula	Product Name	Solubility
$NH_4^{+1} + NO_3^{-1}$	NH_4NO_3	ammonium nitrate	S
$Cu^{+2} + CO_3^{-2}$	$CuCO_3$	copper II carbonate	I
Precipitate? Copper II carbonate is the precipitate			

$CaCl_2$ and K_2SO_4			
Reactions	Product Formula	Product Name	Solubility
$Ca^{+2} + SO_4^{-2}$	$CaSO_4$	calcium sulfate	I
$K^{+1} + Cl^{-1}$	KCl	potassium chloride	S
Precipitate? Calcium sulfate is the precipitate			

$Pb(NO_3)_2$ and NaI			
Reactions	Product Formula	Product Name	Solubility
$Pb^{+2} + I^{-1}$	PbI_2	lead II iodide	I
$Na^{+1} + NO_3^{-1}$	$NaNO_3$	sodium nitrate	S
Precipitate? Lead II iodide is the precipitate			

K_2SO_3 and $BaBr_2$			
Reactions	Product Formula	Product Name	Solubility
$K^{+1} + Br^{-1}$	KBr	potassium bromide	S
$Ba^{+2} + SO_3^{-2}$	$BaSO_3$	barium sulfite	I
Precipitate? Barium sulfite is the precipitate			

NaOH and $AlPO_4$			
Reactions	Product Formula	Product Name	Solubility
$Na^{+1} + PO_4^{-3}$	Na_3PO_4	sodium phosphate	S
$Al^{+3} + OH^{-1}$	$Al(OH)_3$	aluminum hydroxide	I
Precipitate? Aluminum hydroxide is the precipitate			