Name		Period		
College Prep Chemistry				
Assignment 5L – Hydra			20 Points	
Answer the following qu				
Define Each Term and a	answer the following que	estions		
Anhydrous Compound/Molecule		Hydrated Compound/Molecule / Hydrate		
What is the atomic	ratio in a anhydrous	What is the atomic ratio in a hydrated		
	d/molecule?		compound/molecule (hydrate)	
1				
Give the molecular ratio	os for, and name each hy	vdrate		
Fe ₂ O ₃ • 3H ₂ O		MnCl ₂ • 4H ₂ O		
Hydrate Ratio		Hydrate Ratio		
,		,		
Fe ₂ O ₃ :	H ₂ O:	MnCl ₂ :	H_2O :	
		_	_	
Hydrate Name (Fe = +3)		Hydrate Name (Mn = +4)		
			,	
Na ₂ SO ₄ • H ₂ O		$Zn_2S_2O_3 \bullet 2H_2O$		
Hydrate Ratio		Hydrate Ratio		
Tiyara		Trydrat		
Na ₂ SO ₄ :	H ₂ O:	$Zn_2S_2O_3$	H ₂ O:	
1\a2504.	1120.	Z112S2O3	1120.	
Hydrata Nama		Hydrate Name $(Zn = +1)$		
Hydrate Name		Tryuraic Nai	IIC (ZII = +1)	

Give the molecular ratios for, and name each hydrate (continued)

$Bi(NO_2)_3 \bullet 5H_2O$		Al ₂ (SO ₃) ₃ • 3H ₂ O	
Hydrate Ratio		Hydrate Ratio	
Bi(NO ₂) ₃ :	H ₂ O:	Al ₂ (SO ₃) ₃ :	H ₂ O:
Hydrate Name (Bi = +3)		Hydrate Name	