Chem 112		Spring 2020	Quiz 6	Whelan
SID		Last	First	
Question 1 2 Points	Ē	_	y student measured the pH of a C What is the Ka for HNO₂ ?	0.312 M aqueous
		1		
	C E			
				Ka =
Question 2 2 Points	Calculate the pH	of a 0.267 M aqueo	us solution of caffeine (C ₈ H ₁₀ N ₄ O	P_2 , $K_b = 4.1 \times 10^{-4}$).
		1		
	С			
	E			
				pH =
Question 3 2 Points	Indicate whether each of the following compounds will give an $acidic(\underline{A})$, $basic(\underline{B})$ or $acidic(\underline{N})$ solution when dissolved in water.			
	ammonium nitrate		lithium nitrate	
	sodium acetate:		potassium nitr	ite:
Question 4 4 Points			OH) is a weak acid ($K_a = 6.30 \times 10$ s solution of sodium benzoate, (N	
	+	+		
	C			
	E			
	111111111111111111111111111111111111111			pH =