PROBLEM:

Several sinusoidal signals are plotted below. For each plot (a)–(c), determine the amplitude, phase (in

radians) and frequency (in Hz). Write your answers in the following table:

PLOT (a) (b) (c)

	Plot	(a)	(b)	(c)]	
	AMPLITUDE					
	PHASE				1	
	(in radians)					
	FREQUENCY				1	
	(in Hz)					
(a)	2 0 0					
	-8 -7 -6 -5 -4	-3 -2 -1 T	0 1 2 ime (sec)	3 4 5	6 7 8	
	6					
(b)						
	2					
x(t)	the state of the state of			/		
-2				i i i		
-4						
-6					<u> </u>	
	-8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 Time (sec)					
	6					
(c)	4			<u>/</u>		
:	2		//		\	
x(t)	0				+	
-2	<u> </u>					
-4	 					
-6	3		<u> </u>			
	-8 -7 -6 -5 -4	-3 -2 -1	0 1 2	3 4 5	6 7 8	
		Т	ime (sec)			