PROBLEM:

Questio	For each short question, pick a correct frequency ¹ and enter the number in on	the answer box ² : Frequency
	A signal $x(t)$ is defined by: $x(t) = \Re e\{e^{j6400\pi t} + e^{j9600\pi t}\}\}$. Its fundamental frequency is: ANS =	1. 8000 Hz
		2. 4000 Hz
F		3. 2000 Hz
(b) If	If the following MATLAB code is implemented, what is the fre- quency of the sound that will be produced at the output of the computer's D-to-A converter. soundsc(cos(1.5*pi*(0:654321)), 8000); ANS =	4. 1600 Hz
qu		5. 1200 Hz
co		6. 1000 Hz
		7. 800 Hz
A		8. 500 Hz
		9. 400 Hz
10	the output from an ideal C/D converter is $x[n] = 000 \cos(0.25\pi n)$, and the sampling rate is 8000 samples/sec, en determine one possible value of the input frequency of $x(t)$:	

ANS = $x(t) \qquad \text{Ideal} \qquad x[n] \\ C-to-D \\ Converter \qquad T_s = 1/f_s$

¹Some questions have more than one answer, but you only need to pick one correct answer.

²It is possible to use an answer more than once.