#### **Table of Contents**

# a)

```
fs=8000;
dt=1/fs;
t=0:dt:1/10;
x_t = sin(2*pi*260*t)+cos(2*pi*440*t); % Suma
% x_t = sin(2*pi*260*t) % Tono 260Hz
% x_t = cos(2*pi*440*t) % Tono 440Hz
```

# b)

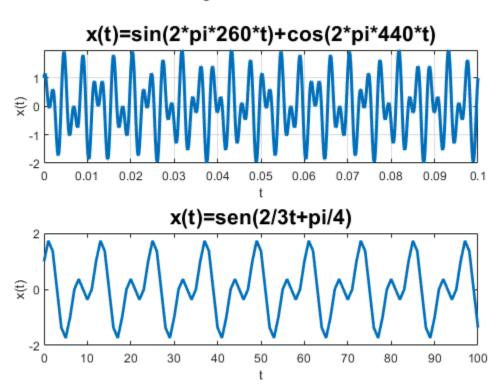
```
dn=1;
n=0:dn:100;
x_n = sin(pi/3*n)+cos(pi/6*n);
```

### **Grafico**

```
sgtitle('Consigna de la clase #B')
%
grid on
axis tight
subplot(2, 1, 1);
```

```
plot(t, x_t, 'linewidth', 2);
title('x(t)=sin(2*pi*260*t)+cos(2*pi*440*t)', 'FontSize', 16);
xlabel('t');
ylabel('x(t)');
xlim([0 0.1])
sound(x_t, fs)
%
grid on
axis tight
subplot(2, 1, 2);
plot(n, x_n, 'linewidth', 2);
title('x(t)=sen(2/3t+pi/4)', 'FontSize', 16);
xlabel('t');
ylabel('x(t)');
```

#### Consigna de la clase #B



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