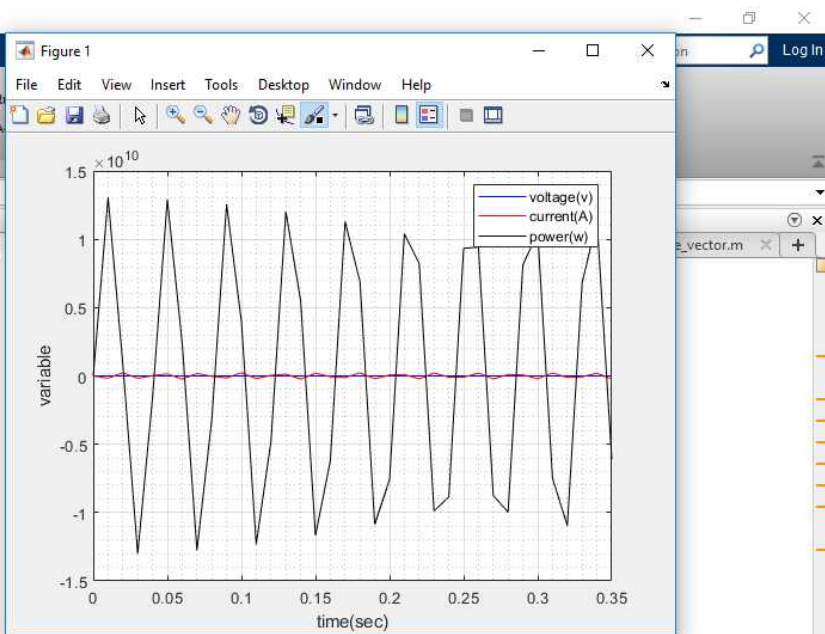


```
MATLAB R2018a
HOME PLOTS APPS EDITOR PUBLISH VIEW
New Open Save Compare Go To Comment % % Breakpoints Run Run and Advance
FILE NAVIGATE EDIT BREAKPOINTS RUN
C:\Program Files\MATLAB\R2018a\bin
Editor - C:\Users\me\Documents\MATLAB\prine11.m
Untitled.m x graph.m x failure.m x differentiation_integrat... x prince10.m x prine11.m x
1 - commandwindow
2 - clear
3 - clc
4 - syms t
5 - pi=180
6 - vt=110*cos(120*pi*t);
7 - c=100
8 - t=0:0.01:0.35
9 - vtt=subs(vt,t)
10 - dv=diff(vt)
11 - it=dv*c
12 - itt=subs(it,t)
13 - pt=(it*vtt);
14 - ptt=subs(pt,t)
15 - plot(t,vtt,'blue',t,itt,'red',t,ptt,'black')
16 - grid on
17 - grid minor
18 - xlabel('time(sec)')
19 - ylabel('variable')
20 - legend('voltage (v)', 'current (A)', 'power (w)')
```



Command Window
New to MATLAB? See resources for [Getting Started](#).

Too many input arguments.
fx >>

Workspace

Name	Value

Normal Arial 10 B I U

$$f(x) := 2 + 2x - 2 \cos\left(\frac{\pi x}{10}\right)$$

f = function

$$g(x) := 2 \sin\left(\frac{\pi x}{70}\right)$$

$$g(x) = \blacksquare$$

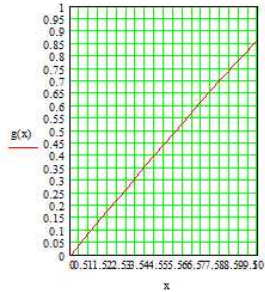
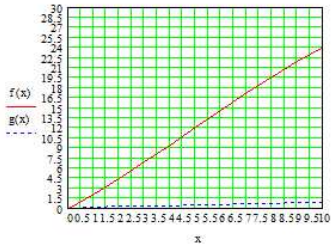
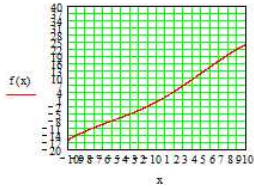
$$f(x) = \blacksquare$$

$$x := 0..10$$

x =

0
1
2
3
4
5
6
7
8
9
10

+



Math

Greek

Calculator

Boolean

$$A := \begin{pmatrix} 1 & -2 & -1 & 3 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & -4 & -2 \\ 0 & -1 & 3 & 1 \end{pmatrix} \quad B := \begin{pmatrix} 10 \\ 8 \\ 3 \\ -7 \end{pmatrix}$$

$$A^{-1} = \begin{pmatrix} 0.027 & 0.24 & 0.493 & 0.667 \\ -0.093 & 0.16 & -0.227 & -0.333 \\ -0.107 & 0.04 & 0.027 & 0.333 \\ 0.227 & 0.04 & -0.307 & -0.333 \end{pmatrix}$$

$$C := A^{-1} \cdot B$$

$$C = \begin{pmatrix} -1 \\ 2 \\ -3 \\ 4 \end{pmatrix}$$

CHARLES - AMMACHREE-PRINCE HIBIOKPOM

18 ENGO4 024

Math

- Matrix
- Calculus
- Algebra
- Statistics
- Units
- Text

Greek

- Matrix
- Calculus
- Algebra
- Statistics
- Units
- Text

Calc

- H
- N
- T
- log
- tan
- cos
- sin
- :=

Boolean

- =
- <
- >
- ≤
- ≥
- ≠
-
- ∧
- ∨
- ⊕

MATLAB R2018a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Find Files Insert fx
New Open Save Compare Go To Comment % %
Print Find Indent Breakpoints Run Run and Advance Run and Time

FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Program Files\MATLAB\R2018a\bin

Editor - C:\Users\me\Documents\MATLAB\prince_vector.m

Untitled.m x graph.m x failure.m x differentiation_integrat... x prince10.m x prine11.m x prince_equation.m x prince_eigenvalues1.m x emeka12.m x fake_integral.m x prince_vector.m x

```
1 commandwindow
2 clear
3 clc
4 a=[1 -2 -1 3;2 3 0 1;1 0 -4 -2;0 -1 3 1];
5 b=[10;8;3;-7];
6 c=inv(a)
7 d=c*b
```

Command Window

New to MATLAB? See resources for [Getting Started](#).

```
d =
-1.0000
 2.0000
-3.0000
 4.0000
```

>> CHARLES-AMACHREE PRINCE HIBIOKPOM 18/ENG04/024

Workspace

Name	Value
a	4x4 double
b	[10;8;3;-7]
c	4x4 double
d	[-1.0000;-3.0000;2.0000;4.0000]