THIS DOCUMENT IS NOT RELATED TO THE QUESTIONS IN HW#3...

Table of Contents

IT IS JUST TO SHOW YOU HOW YOUR SOLUTION WILL LOOK LIKE

EE361 HW#X

NAME: *NICOLA TESLA*

STUDENT NUMBER: *9876543*

Q.1.

PART (a)

The parameters that are used:

```
a = 1;
b = 2;
c = 3;
d = 4;

% Insert your code here
```

we must first find e

$$e = (a+b)/(c+d)$$

we must then find f

$$f = (a-b)/(c-d)$$

the result will be the product of them by David's rule

$$result = e * f$$

Also note that, this result is obtained by assuming the characteristics as linear

```
e = (a+b)/(c+d);
f = (a-b)/(c-d);
result = e*f;

% your result will be here
result
```

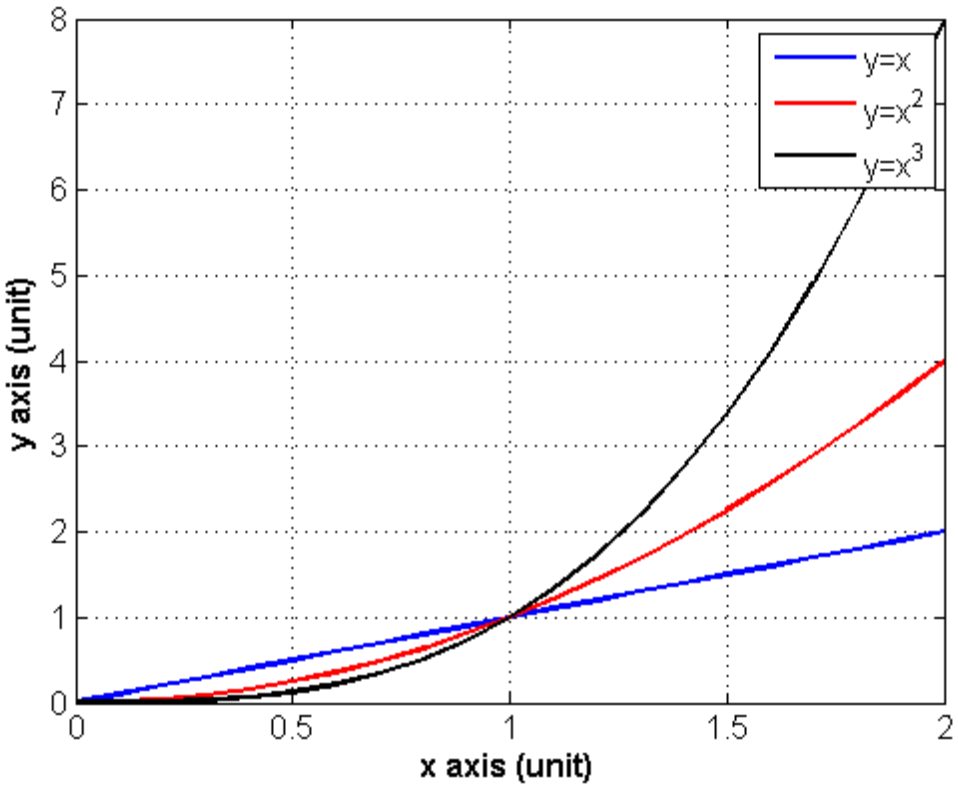
```
result =
    0.4286
```

PART (b)

```
%Insert your code here (calculations)
x = 0:0.1:2;
y1 = x;
y2 = x.^2;
y3 = x.^3;

%Insert your code here (plot)
figure;
plot(x,y1,'b -','Linewidth',1.5);
hold on;
plot(x,y2,'r -','Linewidth',1.5);
hold on;
plot(x,y3,'k -','Linewidth',1.5);
hold on;
grid on;
set(gca,'FontSize',12);
xlabel('x axis (unit)','FontSize',12,'FontWeight','Bold')
ylabel('y axis (unit)','FontSize',12,'FontWeight','Bold')
legend('y=x','y=x^2','y=x^3');


% your graph will be here
% do not forget to plot on same figure
```



PART (c)

Comment: The three characteristics coincide at x = 1 However, one does not simply walk into mordor Furthermore, they are taking the hobits to isengard

Published with MATLAB® R2013a