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Mixing Text and Mathematics

This Notebook contains examples of text cells like these and input/output cells like the following.
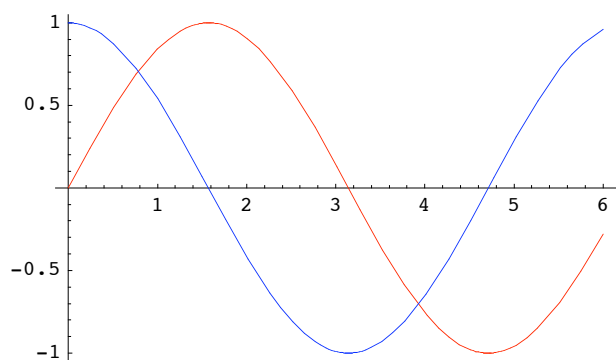
```
y = Sin[x]
```

```
Sin[x]
```

```
z = D[y,x]
```

```
Cos[x]
```

z is the derivative of y. Both z and y are plotted below. Which one is which? How can you tell?

```
Plot[ {y,z}, {x,0,6}, PlotStyle->{RGBColor[1,0,0],RGBColor[0,0,1]} ]
```



```
- Graphics -
```

The blue curve is y, it's a sine wave. The blue curve is z, it's a cosine wave.

```
Y = Integrate[z,x]
```

```
Sin[x]
```

Well, that wasn't hard. Now I now how to enter text and mathematics in *Mathematica*.