

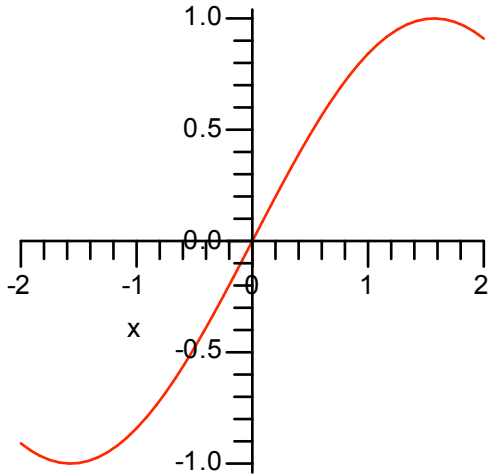
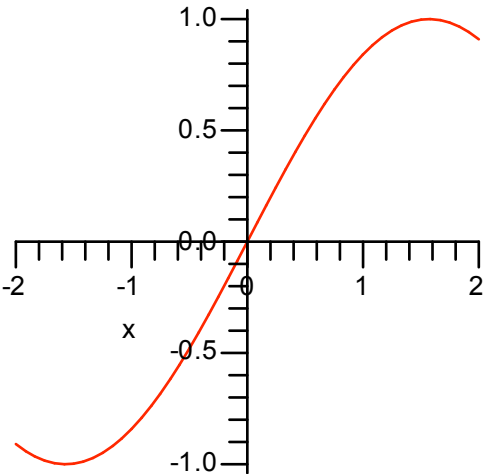
# A fast example on the difference between documents and worksheets

This is starting out in document mode. The easy way to tell is that there is no bar at the left side of the document.

In both document and worksheet mode, a vertical cursor means that you are in text mode and a slanted cursor means that you are in math mode.

A nice feature of document mode is that you can insert tables.


The cells of the tables can be all of the things you use in Maple.

$1 + 2$ $3$	$y := \sin(x^2)$ $\sin(x^2)$
<pre>plot(y, x = -2..2);</pre> 	<pre>plot(y, x=-2..2);</pre> 

$\sum_{i=0}^n n^3$ $(n+1)n^3$	$\int \sin(x) dx$ $-\cos(x)$

(2)

$$\sin(x^2) \tag{5}$$

this is text

*A := this is text*

$$\textit{this is text} \tag{6}$$

$A := \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 6 & 5 & 3 \end{bmatrix}$ $\begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 6 & 5 & 3 \end{bmatrix} \tag{7}$	$\text{Determinant}(A);$ $\text{Determinant} \left( \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 6 & 5 & 3 \end{bmatrix} \right) \tag{8}$
$A^2$ $\begin{bmatrix} 27 & 27 & 24 \\ 60 & 63 & 60 \\ 44 & 52 & 57 \end{bmatrix} \tag{9}$	$A^{-1}$ $\begin{bmatrix} -5 & 3 & -1 \\ 8 & -5 & 2 \\ \frac{-10}{3} & \frac{7}{3} & -1 \end{bmatrix} \tag{10}$
$\text{with}(\text{LinearAlgebra}):$ $\tag{11}$	$\text{Determinant}(A);$ $3 \tag{12}$

$$2 + 3$$

$$5 \tag{13}$$

e can insert a label to use a previous result.

## ▼ A section

(9)

$$\begin{bmatrix} 27 & 27 & 24 \\ 60 & 63 & 60 \\ 44 & 52 & 57 \end{bmatrix}$$

(1.1)

$$\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$$

(1.2)

```
> Matrix(<< 1 | 2 >,
          < 3 | 4 >>);
```

$$\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$$

(14)

> (9)

$$\begin{bmatrix} 27 & 27 & 24 \\ 60 & 63 & 60 \\ 44 & 52 & 57 \end{bmatrix}$$

(15)

Notice that in document mode, Maple will find answers without the semi-colon.

In text mode, no evaluation happens.

2+3;

**In Maple input mode, text is red.**

Error, missing operator or `;`

In 2-D Math *the text is italics.*

Error, unable to parse

*the text is italics.*

W

```
> ??.??;
```

$$\begin{bmatrix} 7 & 10 \\ 15 & 22 \end{bmatrix}$$

(16)


Note that tables will not insert in execution blocks

[>

[>