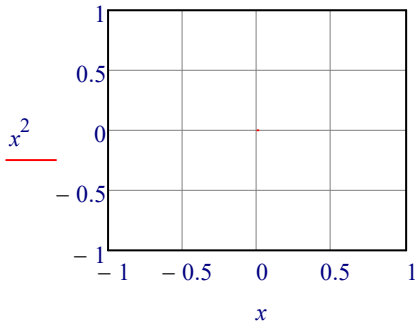


Start, nothing is defined:

Define	check definitions:	Undefine using an undefined	Check definitions again:	
	$x =$	$x := \text{UNDEFINED}$	$x =$	Apparently Mathcad 'knows' <i>undefined</i>
	$x \rightarrow x$	$x := x$	$x \rightarrow x$	
$x := 3$	$x = 3$	Undefine using an undefined	$x =$	gives the same result
	$x \rightarrow 3$	$x := \text{UNDEFINED}$	$x \rightarrow x$	
		Undefine using dot, correct order	$x = 3$	$\frac{d}{dx}x^2 \rightarrow 2 \cdot x$
$x := 3$	$x = 3$	$x := .$	$x \rightarrow x$	
	$x \rightarrow 3$	$x := x$		
		Undefine using dot, wrong order	$x = 0$	$\frac{d}{dx}x^2 \rightarrow$
$x := 3$	$x = 3$	$x := x$	numerical x is back, but:	The symbolic processor doesn't like this.
	$x \rightarrow 3$	$x := .$		
		$x := x$	$x = 0$	$\frac{d}{dx}x^2 \rightarrow 2 \cdot x$ symbolic repaired.
			$x \rightarrow x$	

But it ruins the possibility for a quickplot:



How do you undefine a function definition?

	$f(t) \text{ laplace}, t, s \rightarrow \text{laplace}(f(t), t, s)$
$f(t) := .$	$f(1) = 0$
$f := f$	$f(y) =$
$t := 1$	$f(t) = 0$
	$f(t) \text{ laplace}, t, s \rightarrow$
	$f(t) \text{ laplace}, t, s \rightarrow \text{laplace}(f(t), t, s)$
	$f(t) \text{ laplace}, t, s \rightarrow \text{laplace}(f(1), 1, s)$

Define:

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} := \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}$$

Defined numerically and symbolically

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix} \quad \begin{pmatrix} x \\ y \\ z \end{pmatrix} \rightarrow \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}$$

Undefine numerically:

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} := \text{UNDEFINED}$$

Check numerical definitions:

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} = \quad x = \quad y = \quad z =$$

Undefine symbolically, 1st attempt

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} := \begin{pmatrix} x \\ y \\ z \end{pmatrix}$$

Check symbolical definitions:

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} \rightarrow \begin{pmatrix} \text{UNDEFINED}_{0,0} \\ \text{UNDEFINED}_{1,0} \\ \text{UNDEFINED}_{2,0} \end{pmatrix}$$

Undefine symbolically, 2nd attempt

$$x := x \quad y := y \quad z := z$$

Check symbolical definitions:

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} \rightarrow \begin{pmatrix} x \\ y \\ z \end{pmatrix}$$