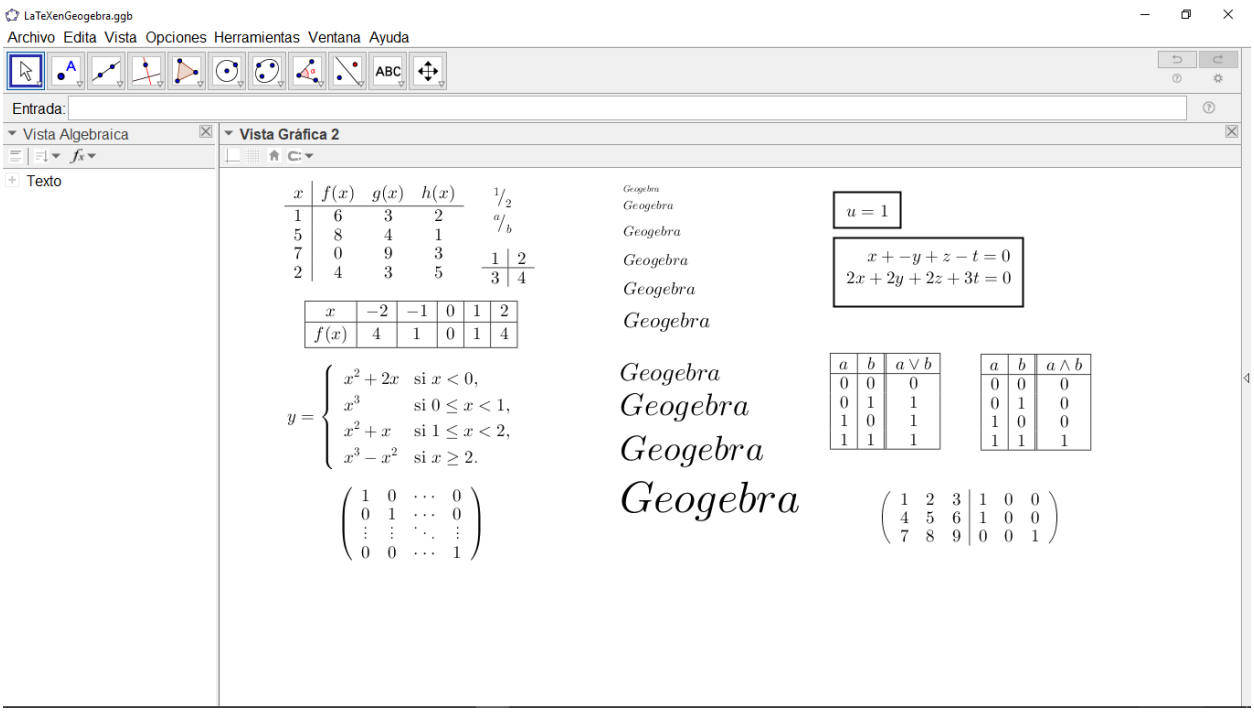
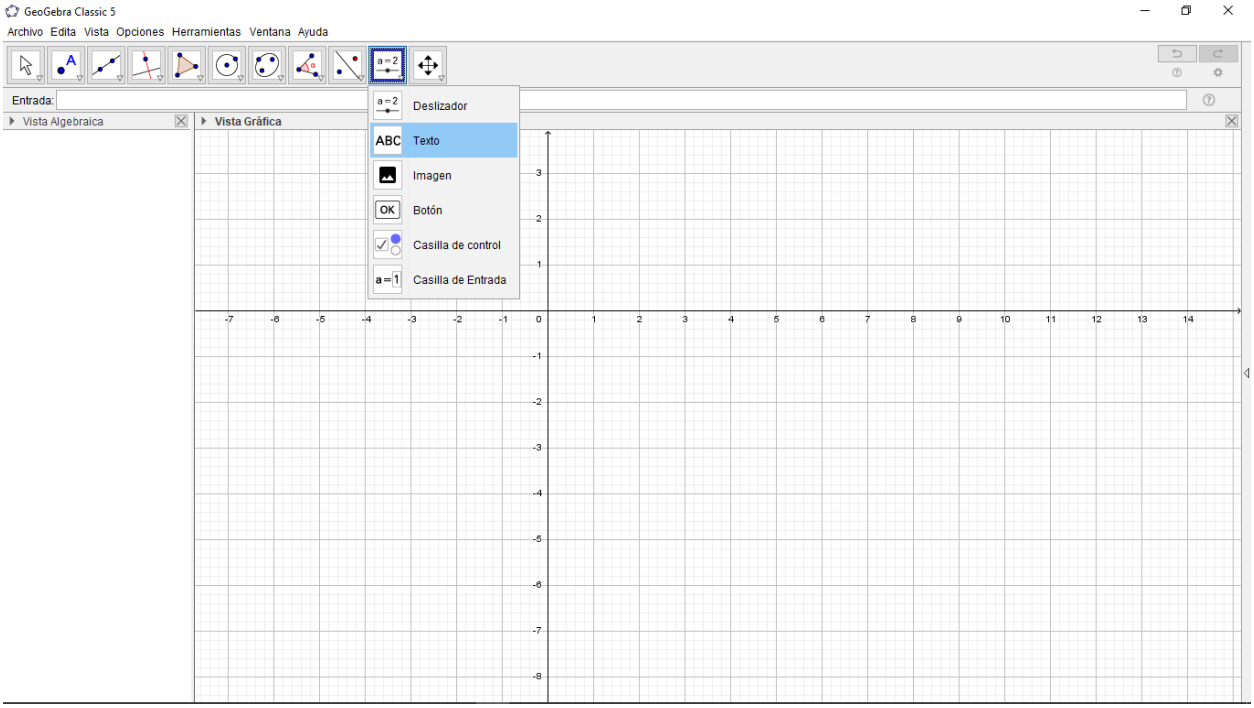
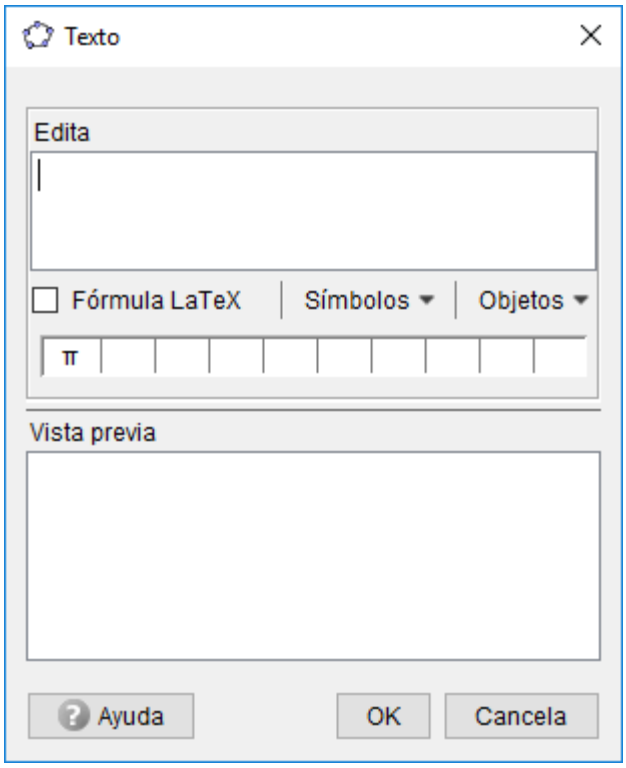
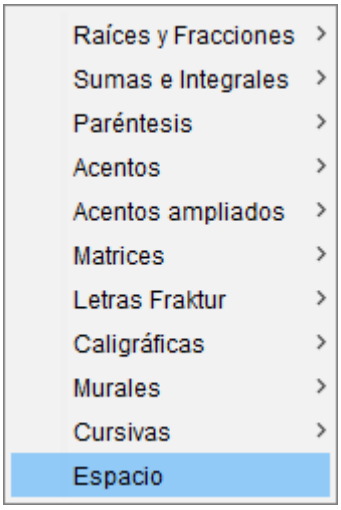
LaTeX en GeoGebra

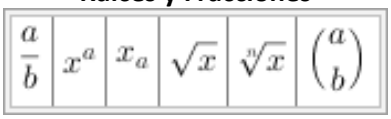



GeoGebra Classic 5
Archivo Edita Vista Opciones Herramientas Ventana Ayuda
Entrada:
Vista Algebraica
Vista Gráfica
Deslizador
Texto
Imagen
Botón
Casilla de control
Casilla de Entrada



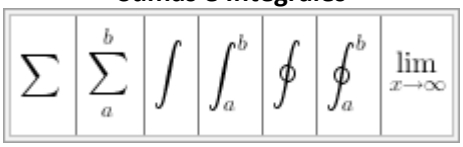


Raíces y Fracciones



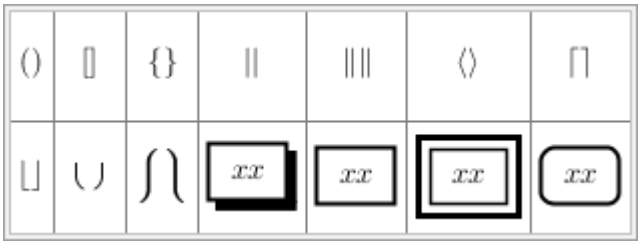
\frac{a}{b}
x^{a}
x_{a}
\sqrt{x}
\sqrt[n]{x}
\binom{a}{b}

Sumas e Integrales



\sum{ }
\sum_{a}^{b}{ }
\int{ }
\int_{a}^{b}{ }
\oint{ }
\oint_{a}^{b}{ }
\lim_{ x \to \infty }

Paréntesis

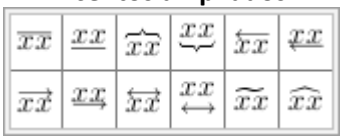


\left(	\right)	\left\lfloor	\right\rfloor
\left [	\right]	\left\lgroup	\right\rgroup
\left\{	\right\}	\left\lmoustache	\right\rmoustache
\left|	\right |	\shadowbox{xx}	
\left\Vert	\right\Vert	\fbox{xx}	
\left\langle	\right\rangle	\doublebox{xx}	
\left\lceil	\right\rceil	\ovalbox{xx}	

Acentos

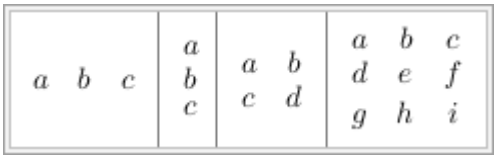
\acute{x}	\hat{x}
\grave{x}	\vec{x}
\tilde{x}	\dot{x}
\bar{x}	\ddot{x}
\breve{x}	\dddot{x}
\check{x}	\mathring{x}

Acentos ampliados



\overline{xx}	\overrightarrow{xx}
\underline{xx}	\underrightarrow{xx}
\overbrace{xx}	\overleftrightarrow{xx}
\underbrace{xx}	\underleftrightarrow{xx}
\overleftarrow{xx}	\widetilde{xx}
\underleftarrow{xx}	\widehat{xx}

Matrices



```
\begin{array}{}
a & b & c
\end{array}
```

```
\begin{array}{}
a \\ b \\ c
\end{array}
```

```
\begin{array}{}
a & b \\
c & d \\
\end{array}
```

```
\begin{array}{}
a & b & c \\
d & e & f \\
g & h & i \\
\end{array}
```

Letras Fraktur

\mathfrak{A}	\mathfrak{N}	\mathfrak{a}	\mathfrak{n}
\mathfrak{B}	\mathfrak{O}	\mathfrak{b}	\mathfrak{o}
\mathfrak{C}	\mathfrak{P}	\mathfrak{c}	\mathfrak{p}
\mathfrak{D}	\mathfrakQ}	\mathfrak{d}	\mathfrakq}
\mathfrak{E}	\mathfrak{R}	\mathfrak{e}	\mathfrak{r}
\mathfrak{F}	\mathfrak{S}	\mathfrak{f}	\mathfrak{s}
\mathfrak{G}	\mathfrak{T}	\mathfrak{g}	\mathfrak{t}
\mathfrak{H}	\mathfrak{U}	\mathfrak{h}	\mathfrak{u}
\mathfrak{I}	\mathfrak{V}	\mathfrak{i}	\mathfrak{v}
\mathfrak{J}	\mathfrak{W}	\mathfrak{j}	\mathfrak{w}
\mathfrak{K}	\mathfrak{X}	\mathfrak{k}	\mathfrak{x}
\mathfrak{L}	\mathfrak{Y}	\mathfrak{l}	\mathfrak{y}
\mathfrak{M}	\mathfrak{Z}	\mathfrak{m}	\mathfrak{z}

Caligráficas

$\mathcal{A}$	$\mathcal{B}$	$\mathcal{C}$	$\mathcal{D}$	$\mathcal{E}$	$\mathcal{F}$	$\mathcal{G}$	$\mathcal{H}$	$\mathcal{I}$	$\mathcal{J}$	$\mathcal{K}$	$\mathcal{L}$	$\mathcal{M}$
$\mathcal{N}$	$\mathcal{O}$	$\mathcal{P}$	$\mathcal{Q}$	$\mathcal{R}$	$\mathcal{S}$	$\mathcal{T}$	$\mathcal{U}$	$\mathcal{V}$	$\mathcal{W}$	$\mathcal{X}$	$\mathcal{Y}$	$\mathcal{Z}$

\mathcal{A}	\mathcal{N}
\mathcal{B}	\mathcal{O}
\mathcal{C}	\mathcal{P}
\mathcal{D}	\mathcal{Q}
\mathcal{E}	\mathcal{R}
\mathcal{F}	\mathcal{S}
\mathcal{G}	\mathcal{T}
\mathcal{H}	\mathcal{U}
\mathcal{I}	\mathcal{V}
\mathcal{J}	\mathcal{W}
\mathcal{K}	\mathcal{X}
\mathcal{L}	\mathcal{Y}
\mathcal{M}	\mathcal{Z}

Murales

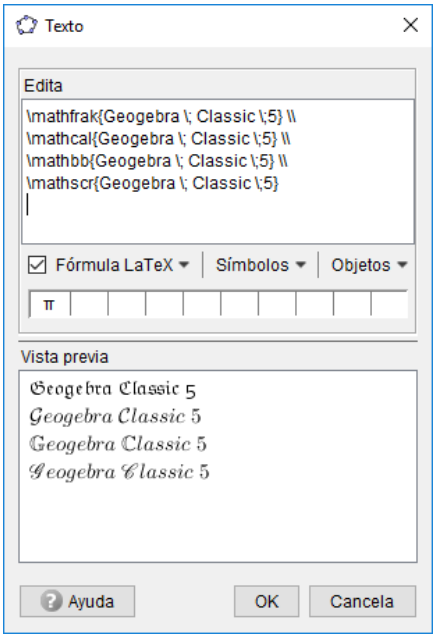
$\mathbb{A}$	$\mathbb{B}$	$\mathbb{C}$	$\mathbb{D}$	$\mathbb{E}$	$\mathbb{F}$	$\mathbb{G}$	$\mathbb{H}$	$\mathbb{I}$	$\mathbb{J}$	$\mathbb{K}$	$\mathbb{L}$	$\mathbb{M}$
$\mathbb{N}$	$\mathbb{O}$	$\mathbb{P}$	$\mathbb{Q}$	$\mathbb{R}$	$\mathbb{S}$	$\mathbb{T}$	$\mathbb{U}$	$\mathbb{V}$	$\mathbb{W}$	$\mathbb{X}$	$\mathbb{Y}$	$\mathbb{Z}$

\mathbb{A}	\mathbb{N}
\mathbb{B}	\mathbb{O}
\mathbb{C}	\mathbb{P}
\mathbb{D}	\mathbb{Q}
\mathbb{E}	\mathbb{R}
\mathbb{F}	\mathbb{S}
\mathbb{G}	\mathbb{T}
\mathbb{H}	\mathbb{U}
\mathbb{I}	\mathbb{V}
\mathbb{J}	\mathbb{W}
\mathbb{K}	\mathbb{X}
\mathbb{L}	\mathbb{Y}
\mathbb{M}	\mathbb{Z}

Cursiva

$\mathscr{A}$	$\mathscr{B}$	$\mathscr{C}$	$\mathscr{D}$	$\mathscr{E}$	$\mathscr{F}$	$\mathscr{G}$	$\mathscr{H}$	$\mathscr{I}$	$\mathscr{J}$	$\mathscr{K}$	$\mathscr{L}$	$\mathscr{M}$
$\mathscr{N}$	$\mathscr{O}$	$\mathscr{P}$	$\mathscr{Q}$	$\mathscr{R}$	$\mathscr{S}$	$\mathscr{T}$	$\mathscr{U}$	$\mathscr{V}$	$\mathscr{W}$	$\mathscr{X}$	$\mathscr{Y}$	$\mathscr{Z}$

\mathbb{A}	\mathscr{N}
\mathscr{B}	\mathscr{O}
\mathscr{C}	\mathscr{P}
\mathscr{D}	\mathscr{Q}
\mathscr{E}	\mathscr{R}
\mathscr{F}	\mathscr{S}
\mathscr{G}	\mathscr{T}
\mathscr{H}	\mathscr{U}
\mathscr{I}	\mathscr{V}
\mathscr{J}	\mathscr{W}
\mathscr{K}	\mathscr{X}
\mathscr{L}	\mathscr{Y}
\mathscr{M}	\mathscr{Z}

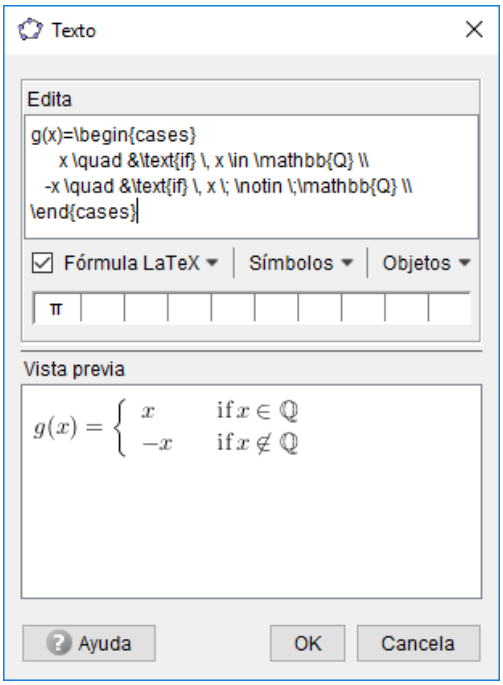


Espacio (Un espacio) \;

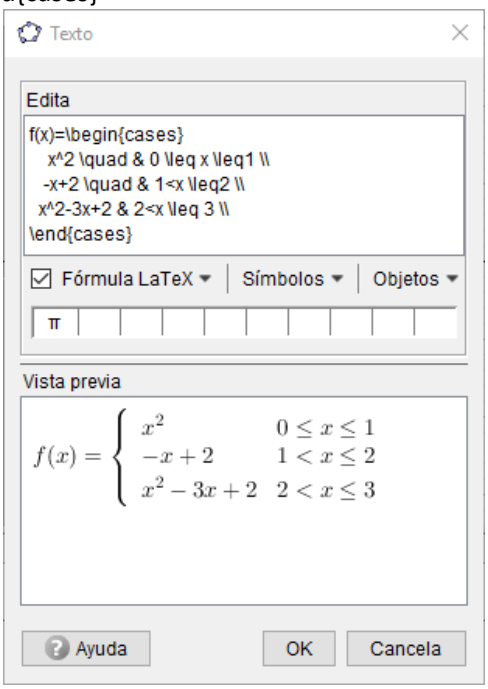
Múltiples Espacios \hspace{1.0cm}

Funciones Multipartes, por Partes, por Tramos, por Pedazos o por Intervalos

```
g(x)=\begin{cases}
x \quad &\text{if} \, x \in \mathbb{Q} \\
-x \quad &\text{if} \, x \; \notin \; \mathbb{Q} \\
\end{cases}
```




```
f(x)=\begin{cases}
x^2 \quad & 0 \leq x \leq1 \\
-x+2 \quad & 1<x \leq2 \\
x^2-3x+2 & 2<x \leq 3 \\
\end{cases}
```



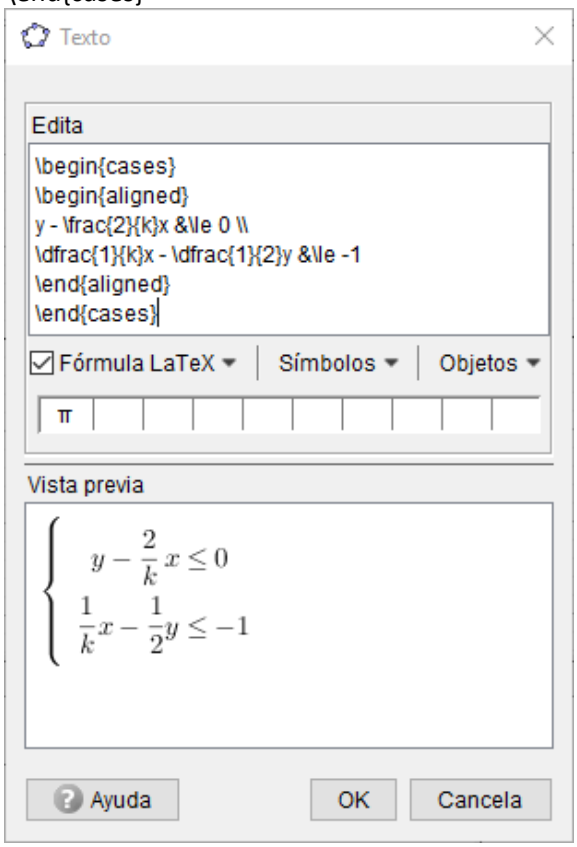
Símbolos Relacionales

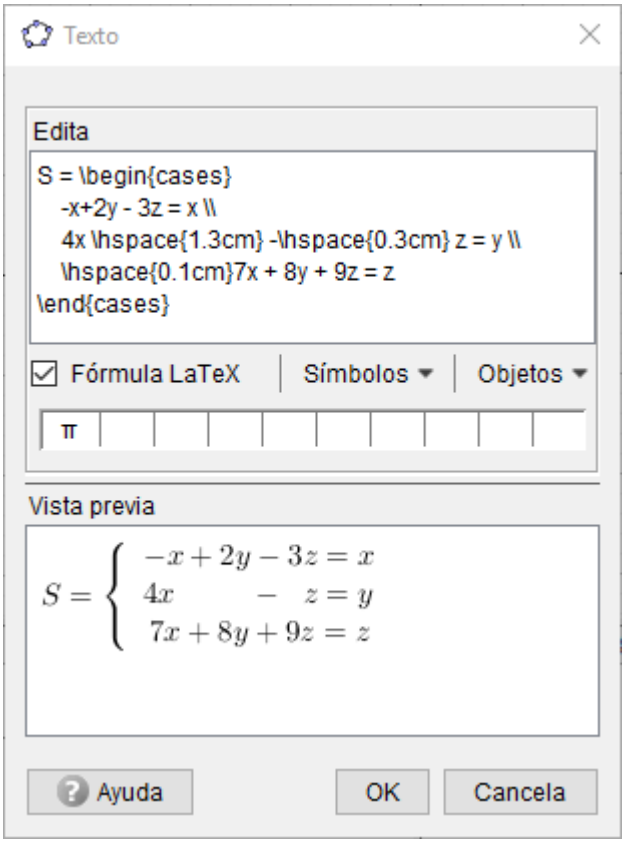
≤	\leg	≃	\simeq	⊆	\subseteq	≐	\doteq
≥	\geq	∣	\mid	⊇	\supseteq		\frown
≡	\equiv	≪	\ll	≅	\cong	∈	\in
⊨	\models	≫	\gg	⋈	\Join	∋	\ni
≺	\prec	≍	\asymp	⊏	\sqsubset	∝	\propto
≻	\succ	∥	\parallel	⊐	\sqsupset	=	=
~	\sim	⊂	\subset	≠	\neq	⊢	\vdash
⊥	\perp	⊃	\supset		\smile	⊣	\dashv
≼	\preceq	≈	\aprox	⊑	\sqsubseteq	<	<
≽	\succeq	⋈	\bowtie	⊒	\sqsupseteq	>	>

Sistemas de Ecuaciones

```
\begin{cases}
\begin{aligned}
 y - \frac{2}{k}x &\le 0 \\
\dfrac{1}{k}x - \dfrac{1}{2}y &\le -1
\end{aligned}
\end{cases}
```

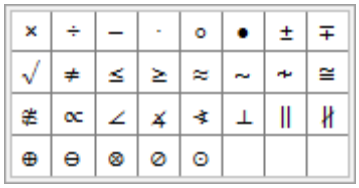
```
S=\begin{cases}
-x+2x-3z =x\\
4x\hspace{1.3cm} -\hspace{0.3cm} z = y \\
\hspace{0.1cm} 7x+8y+9z=z \\
\end{cases}
```

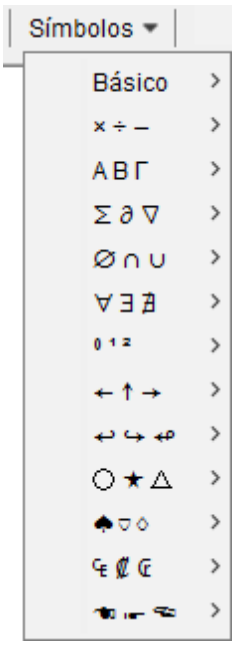


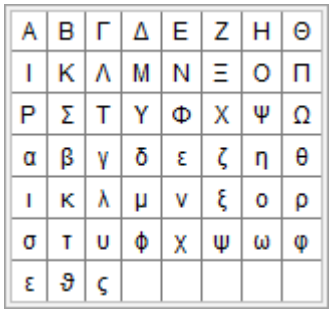


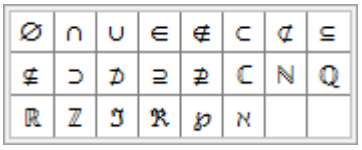
Letras Griegas y Hebreas

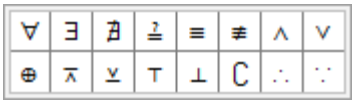
α	\alpha	λ	\lambda	τ	\tau	Π	\Pi
β	\beta	μ	\mu	θ	\theta	Ψ	\Psi
χ	\chi	υ	\nu	υ	\upsilon	Σ	\Sigma
δ	\delta	ω	\omega	ξ	\xi	Θ	\Theta
ε	\epsilon	ϕ	\phi	ζ	\zeta	Υ	\Upsilon
ϵ	\varepsilon	φ	\varphi	Δ	\Delta	Ξ	\Xi
η	\eta	π	\pi	Γ	\Gamma	$\aleph$	\aleph
γ	\gamma	ψ	\psi	Λ	\Lambda	$\beth$	\beth
ι	\iota	ρ	\rho	Ω	\Omega	$\daleth$	\daleth
κ	\kappa	σ	\sigma	Φ	\Phi	$\gimel$	\gimel

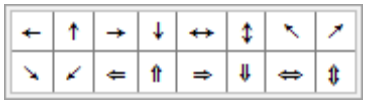


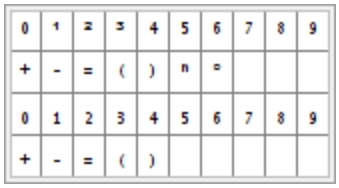

Símbolos
Básico
× ÷ –
A B Γ
Σ ∂ ∇
∅ ∩ ∪
∀ ∃ ∄
0 1 2
← ↑ →
↩ ↪ ↫
◯ ★ △
♠ ▽ ◇

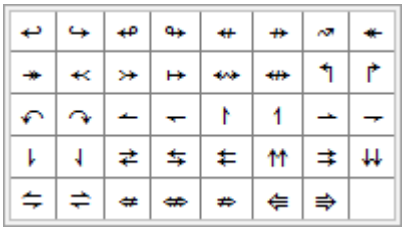


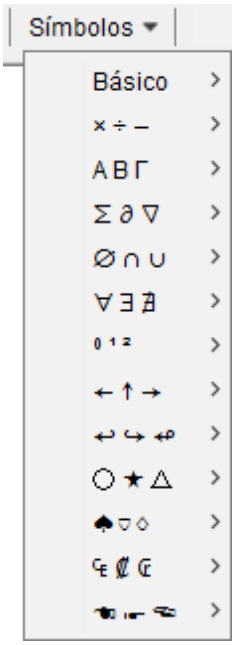


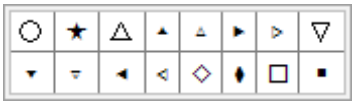


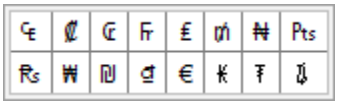


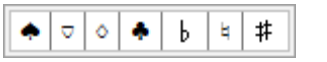


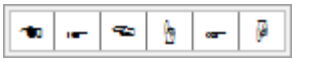



Símbolos
Básico
× ÷ –
A B Γ
Σ ∂ ∇
∅ ∩ ∪
∀ ∃ ∄
0 1 2
← ↑ →
↩ ↪ ↫
◯ ★ △
♠ ▽ ◇

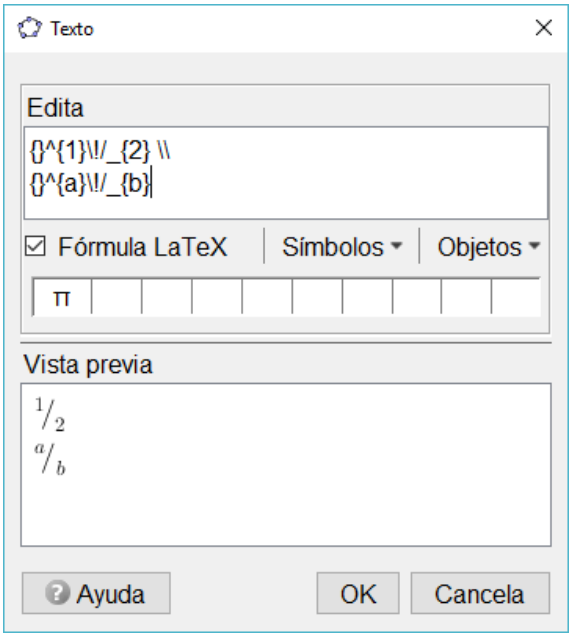




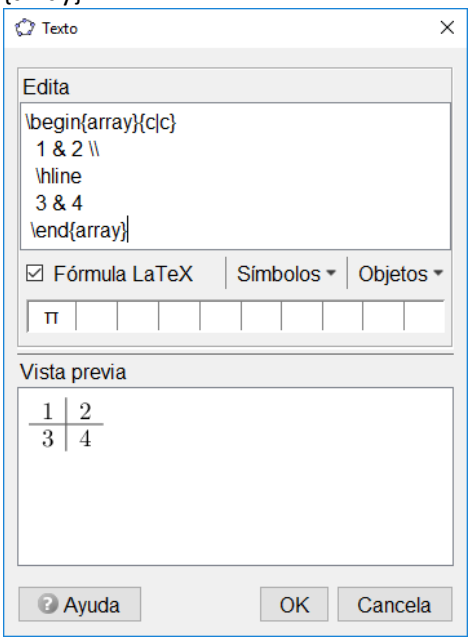


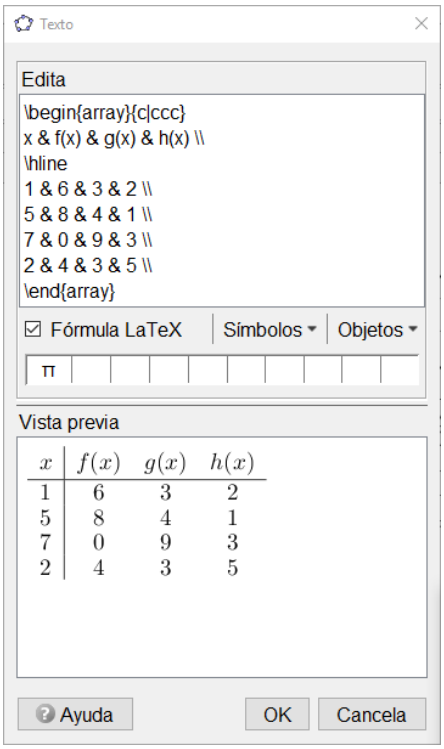


```
{}^{1}\!/_{2} \\
{}^{a}\!/_{b}
```



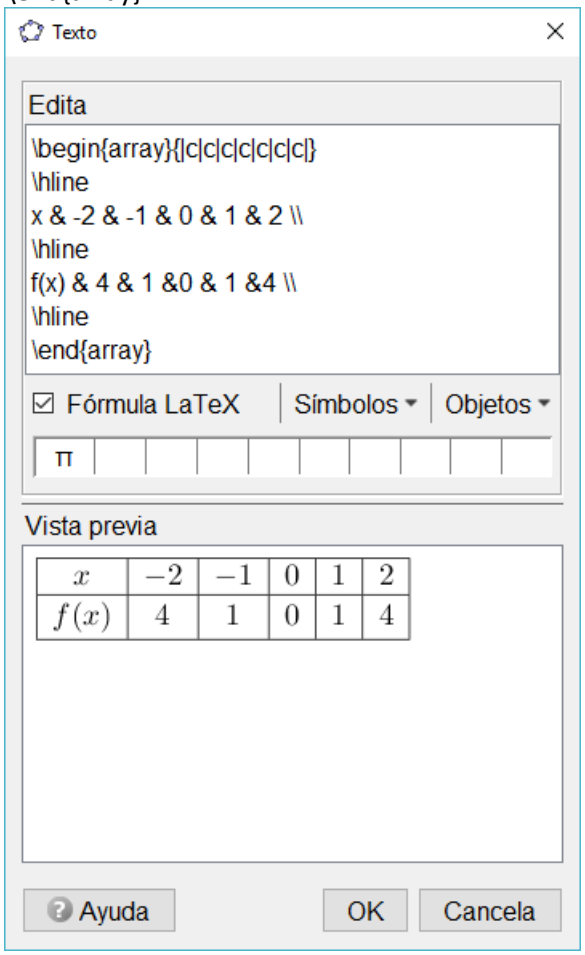

```
\begin{array}{c|c}
 1 & 2 \\
 \hline
 3 & 4
 \end{array}
```



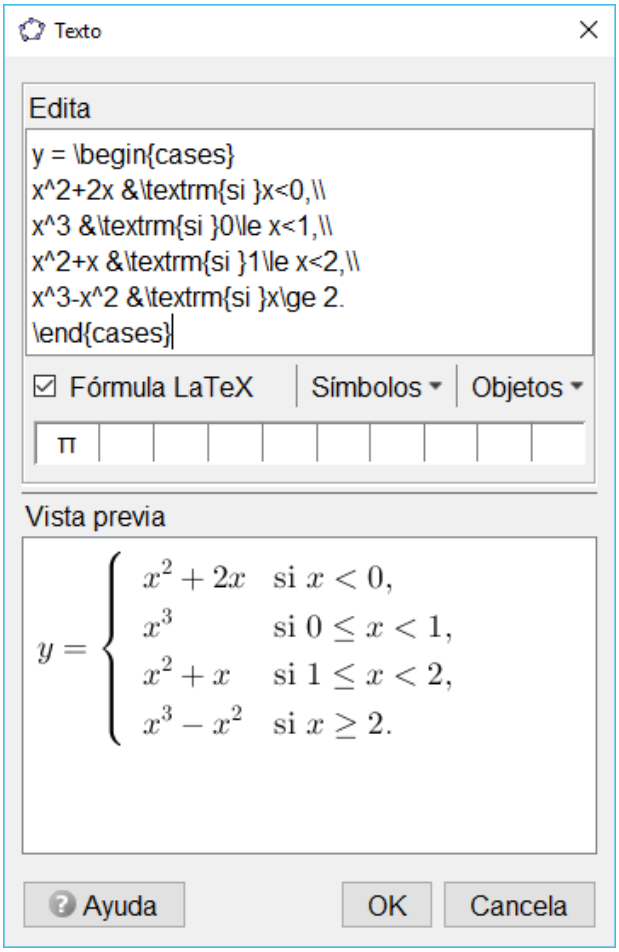



```
\begin{array}{c|ccc}
x & f(x) & g(x) & h(x) \\
\hline
1 & 6 & 3 & 2 \\
5 & 8 & 4 & 1 \\
7 & 0 & 9 & 3 \\
2 & 4 & 3 & 5 \\
\end{array}
```

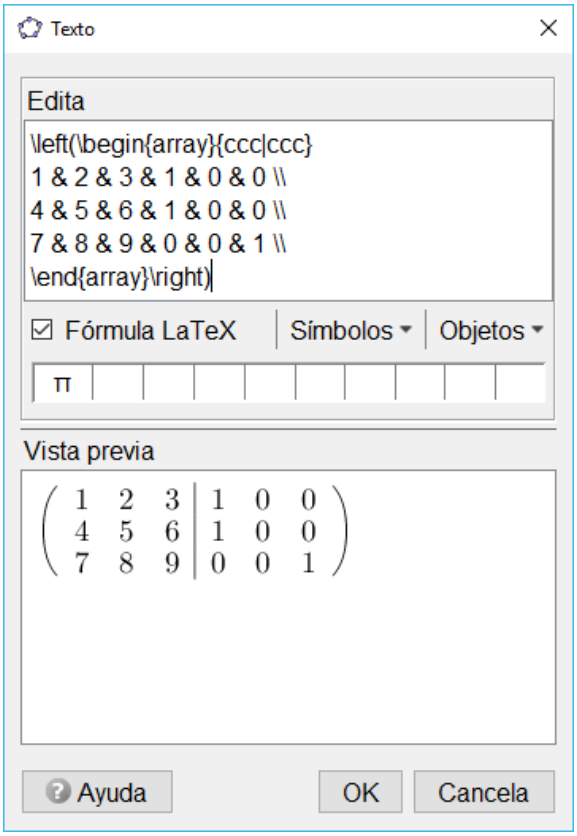
```
\begin{array}{|c|c|c|c|c|c|}
\hline
x & -2 & -1 & 0 & 1 & 2 \\
\hline
f(x) & 4 & 1 &0 & 1 &4 \\
\hline
\end{array}
```



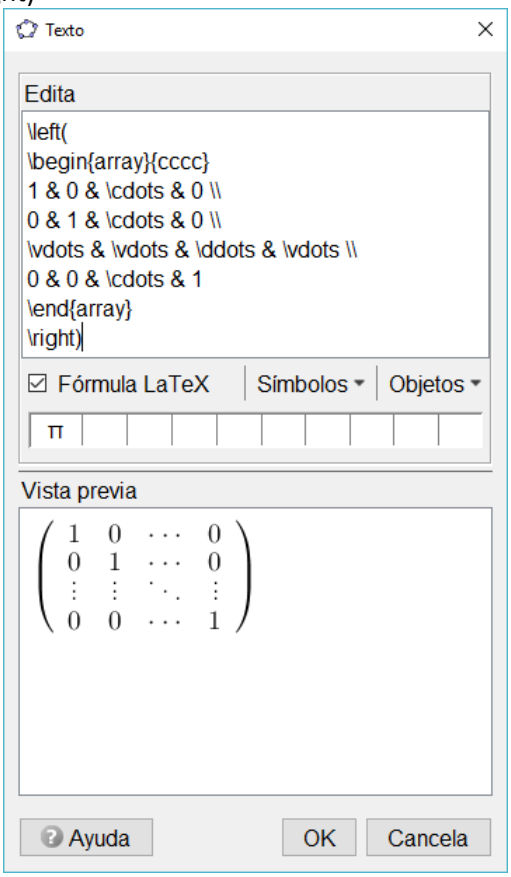

```
y = \begin{cases}
x^2+2x &\textrm{si }x<0,\\
x^3 &\textrm{si }0\le x<1,\\
x^2+x &\textrm{si }1\le x<2,\\
x^3-x^2 &\textrm{si }x\ge 2.
\end{cases}
```



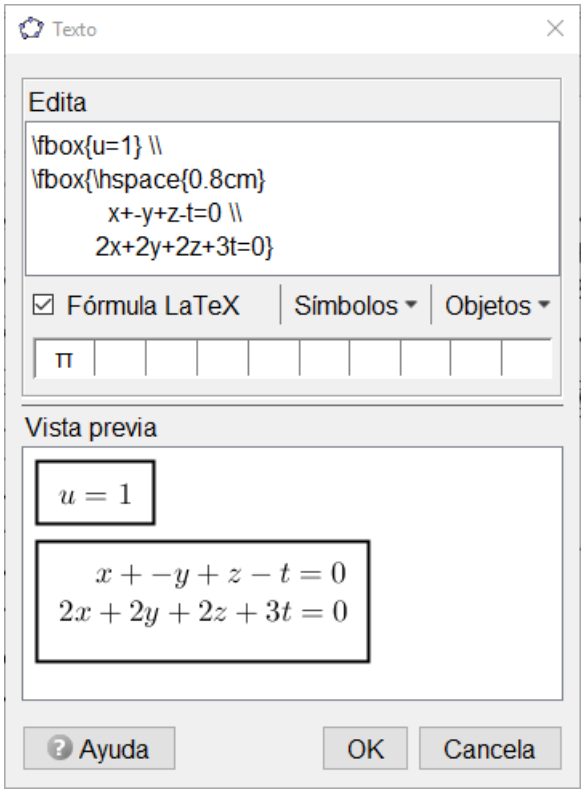
```
\left(\begin{array}{ccc|ccc}
1 & 2 & 3 & 1 & 0 & 0 \\
4 & 5 & 6 & 1 & 0 & 0 \\
7 & 8 & 9 & 0 & 0 & 1 \\
\end{array}\right)
```



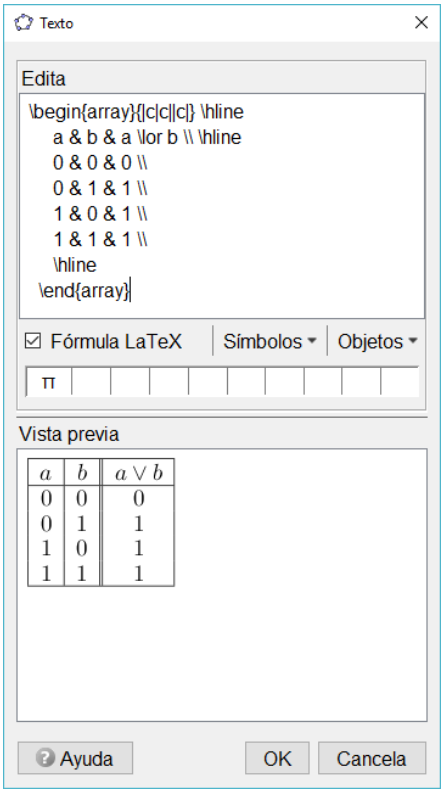

```
\left(
\begin{array}{cccc}
1 & 0 & \cdots & 0 \\
0 & 1 & \cdots & 0 \\
\vdots & \vdots & \ddots & \vdots \\
0 & 0 & \cdots & 1
\end{array}
\right)
```



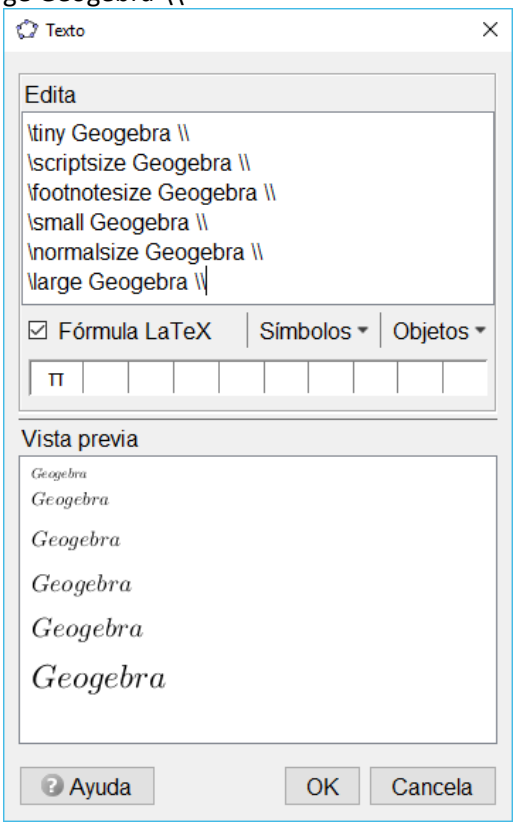
```
\fbox{u=1} \\
\fbox{\hspace{0.8cm}
        x+-y+z-t=0 \\
        2x+2y+2z+3t=0}
```




```
\begin{array}{|c|c||c|} \hline
    a & b & a \lor b \\ \hline
    0 & 0 & 0 \\
    0 & 1 & 1 \\
    1 & 0 & 1 \\
    1 & 1 & 1 \\
    \hline
  \end{array}
```



\tiny Geogebra \\
\scriptsize Geogebra \\
\footnotesize Geogebra \\
\small Geogebra \\
\normalsize Geogebra \\
\large Geogebra \\



\Large Geogebra \\
\LARGE Geogebra \\
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