

TeX Reference Card

(for Plain TeX)

A HISTORY OF THE QUR'AN

$\hbar$	$\backslash hbar$	$\nabla$	$\backslash nabla$	$\emptyset$	$\backslash emptyset$	$\exists$	$\backslash exists$	$\rightarrow$	$\backslashrightarrow$
$i$	$\backslash imath$	$\triangledown$	$\backslash neg$	$\neg$	$\backslash neg$	$\exists$	$\backslash exists$	$\Rightarrow$	$\backslashRightarrow$
$J$	$\backslash jmath$	$\triangleright$	$\backslash lnot$	$\neg$	$\backslash neg$	$\neg$	$\backslash neg$	$\Leftrightarrow$	$\backslashLeftrightarrow$
$\ell$	$\backslash ell$	$\triangleright$	$\backslash flat$	$\flat$	$\backslash flat$	$\natural$	$\backslash natural$	$\Leftarrow$	$\backslashLeftarrow$
$\wp$	$\backslash wp$	$\top$	$\backslash surd$	$\surd$	$\backslash surd$	$\sharp$	$\backslash sharp$	$\Downarrow$	$\backslashDownarrow$
$\Re$	$\backslash Re$	$\bot$	$\backslash top$	$\top$	$\backslash top$	$\clubsuit$	$\backslash clubsuit$	$\Updownarrow$	$\backslashUpdownarrow$
$\Im$	$\backslash Im$	$\vdash$	$\backslash bot$	$\bot$	$\backslash bot$	$\diamondsuit$	$\backslash diamondsuit$	$\Downarrow$	$\backslashDownarrow$
$\partial$	$\backslash partial$	$\triangleleft$	$\backslash angle$	$\angle$	$\backslash angle$	$\spadesuit$	$\backslash heartsuit$	$\Downarrow$	$\backslashDownarrow$
$\infty$	$\backslash infinity$	$\triangleright$	$\backslash triangle$	$\triangle$	$\backslash triangle$	$\spadesuit$	$\backslash spadesuit$	$\Downarrow$	$\backslashDownarrow$

卷之三

Binary Operations	
$\pm$	$\cap$
$\mp$	$\cup$
$\cdot$	$\wedge$
$\setminus$	$\oplus$
$\backslash$	$\vee$ or $\lor$
$\backslash\text{dot}$	$\wedge$ or $\land$
$\backslash\text{times}$	$\oplus$
$\backslash\text{ast}$	$\oplus$
$\star$	$\otimes$
$\diamond$	$\otimes$
$\circ$	$\otimes$
$\bullet$	$\otimes$
$\backslash\text{diamond}$	$\ominus$
$\backslash\text{circ}$	$\ominus$
$\backslash\text{bullet}$	$\ominus$
$\backslash\text{div}$	$\oslash$
$\triangledown$	$\odot$
$\triangleright$	$\odot$
$\triangledown$	$\odot$
$\triangleright$	$\odot$
$\wr$	$\odot$
$\backslash\text{bigcirc}$	$\dagger$
$\backslash\text{bigtriangleup}$	$\ddagger$
$\backslash\text{bigtriangledown}$	$\amalg$

Page Layout

```
\hspace{<dimen>}           set width of page
\vspace{<dimen>}        set height of page
\displaywidth{<dimen>}   set width of math display
\hoffset{<dimen>}        move page horizontally
\voffset{<dimen>}        move page vertically
```

## Relations

Elementary Math Control Sequences

```

overline a formula \overline{xyz}
underline a formula \underline{xyz}
square root \sqrt{xyz}

```

higher order roots	$\sqrt[n]{x+2}$
fraction	$\frac{n}{n+1}$
fraction, no line	$n \overline{) n+1}$
binomial coeff.	$\binom{n+1}{3}$
braced fraction	$\left\{ \begin{matrix} n \\ 3 \\ n+1 \end{matrix} \right\}_{3 \atop n+1}$
	$\{n+1\brace 3}$

# Non-Italic Function Names

<code>\footnote{marker}\f{text}</code>	The following examples use <code>\mathop</code> to create function names.
<code>\arccos</code>	<code>\arccos</code> <code>\cos</code> <code>\csc</code> <code>\exp</code> <code>\ker</code> <code>\limsup</code> <code>\min</code> <code>\Pr</code> <code>\sin</code>
<code>\arcsin</code>	<code>\arcsin</code> <code>\cosh</code> <code>\deg</code> <code>\gcd</code> <code>\lg</code> <code>\ln</code> <code>\Pr</code> <code>\sinh</code> <code>\Pr</code>
<code>\arctan</code>	<code>\arctan</code> <code>\cot</code> <code>\det</code> <code>\hom</code> <code>\lim</code> <code>\log</code> <code>\sec</code> <code>\tanh</code> <code>\tan</code>
<code>\arg</code>	<code>\arg</code> <code>\coth</code> <code>\dim</code> <code>\inf</code> <code>\liminf</code> <code>\max</code> <code>\sin</code> <code>\tanh</code> <code>\tan</code>
<code>\bmod</code>	<code>a \bmod m</code> $a \pmod{m}$ mod with parentheses
<code>\log_2</code>	$\log_2$ <code>\log_2</code> mod without parentheses
<b>Footnotes, Insertions, and Underline</b>	

\topinsert{\vmodemode material}\endinsert

\pageinsert{vmodem material}\endinsert  
\midinset{vmode material}\endinset  
\underbar{*text*} insert on full page  
underline text  
© 1998 J.H. Silverman. Permissions on back. v1.3  
Send comments and corrections to J.H. Silverman, Math. Dept., Brown  
Univ., Providence, RI 02912 U.S.A. ([jhs@math.brown.edu](mailto:jhs@math.brown.edu))

Accent:

Type	Example	In Math	In Text
hat	$\hat{a}$	$\hat{a}$	$\hat{v}$
expanding hat	$\widehat{abc}$	$\widehat{abc}$	$\widehat{non}$
check	$\check{a}$	$\check{a}$	$\check{v}$
tilde	$\tilde{a}$	$\tilde{a}$	$\tilde{v}$
expanding tilde	$\widetilde{abc}$	$\widetilde{abc}$	$\widetilde{non}$
acute	$\acute{a}$	$\acute{a}$	$\acute{v}$
grave	$\grave{a}$	$\grave{a}$	$\grave{v}$
dot	$\dot{a}$	$\dot{a}$	$\dot{v}$
double dot	$\ddot{a}$	$\ddot{a}$	$\ddot{v}$
breve	$\breve{a}$	$\breve{a}$	$\breve{v}$
bar	$\bar{a}$	$\bar{a}$	$\bar{v}$
vector	$\vec{a}$	$\vec{a}$	$\vec{v}$
	$\backslash vec$		
The <code>\skew&lt;number&gt;</code> command shifts accents for proper positioning, the larger the <code>&lt;number&gt;</code> , the more right the shift. Code			
pare		none	

Footnotes, Insertions, and Underline

