## Environment: VS Code with Markdown All in On

```
 \label{eq:continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuou
```

$$Q\omega Q egin{cases} \sum_{j=1}^{\infty} rac{a_j}{b_j} = rac{a_1}{b_1 + rac{a_2}{a_2}} &= rac{a_1}{b_1 + rac{a_2}{b_2 + rac{a_3}{b_3 + \cdots}}} \ &= \lim_{n o \infty} \int\limits_0^n f(x) dx &= \int_0^{\infty} g(x) dx \end{cases}$$

$$\label{eq:Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-left-Q-l$$

greek	\aa	\varaa	\Aa	\varAa
alpha	$\alpha$	/	A	/
beta	β	/	В	/
gamma	$\gamma$	/	Γ	/
delta	$\frac{\gamma}{\delta}$	/	Δ	Δ
epsilon	$\epsilon$	arepsilon	E	/
zeta	ζ	/	$\mathbf{Z}$	/
eta	$\eta$	/	Η	/
theta	$\theta$	$\vartheta$	Θ	$\Theta$
iota	ι	/	Ι	/
kappa	$\kappa$	$\varkappa$	K	/
lambda	λ	/	Λ	/
mu	$\mu$	/	$\mathbf{M}$	/
nu	$\nu$	/	N	/
xi	ξ	/	Ξ	[±]
omicron	0	/		/
pi	$\pi$	$\varpi$	П	П
rho	$\rho$	$\varrho$	P	/
sigma	$\sigma$	ς	Σ	$\Sigma$
tau	au		${ m T}$	/
upsilon	v		Υ	Υ
phi	$\phi$	arphi	Φ	$\Phi$
chi	$\chi$		X	
psi	$\begin{array}{c c} \chi \\ \hline \psi \end{array}$		Ψ	/
omega	$\omega$	/	Ω	/
propto	$\propto$	OX.		/

T	^		
\triangle	$\triangle$	\triangledown	$\nabla$
\blacktriangle	<b>A</b>	\blacktriangledown	•
\triangleleft	$\triangleleft$	\triangleright	$\triangleright$
\lhd	$\triangleleft$	\rhd	$\triangleright$
\blacktriangleleft	◀	\blacktriangleright	
\unlhd	$\leq$	\unrhd	$\trianglerighteq$
\ntriangleleft			
\ntrianglelefteq		\ntrianglerighteq	≱
\uparrow	$\uparrow$	\Uparrow	$\uparrow$
\downarrow	$\downarrow$	\Downarrow	<b>#</b>
\updownarrow	<b>†</b>	\Updownarrow	$\updownarrow$
\uparrow	$\uparrow$	\downarrow	$\downarrow$
\Uparrow	$\uparrow$	\Downarrow	$\Downarrow$
\upuparrows	$\uparrow\uparrow$	\downdownarrows	$\downarrow\downarrow$
\upharpoonleft	1	$\downharpoonright$	
\upharpoonright	_	$\downharpoonleft$	1
\updownarrow	<b></b>	\Updownarrow	<b>\$</b>
\gets\leftarrow	$\leftarrow$	\to\rightarrow	$\rightarrow$
\Leftarrow	$\Leftarrow$	\Rightarrow	$\Rightarrow$
\nleftarrow	$\leftarrow\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	\nrightarrow	$\rightarrow \rightarrow$
\nLeftarrow	$\Leftarrow$	\nRightarrow	$\Rightarrow$
\longleftarrow	$\leftarrow$	$\label{longright} \$	$\longrightarrow$
\Longleftarrow	$\leftarrow$	$ackslash  ext{Longrightarrow}$	$\Longrightarrow$
\leftleftarrows	$ \leftarrow $	$\$ rightrightarrows	$\Longrightarrow$
\twoheadleftarrow	<b></b>	$\t$ twoheadrightarrow	$\longrightarrow$
\leftarrowtail	$\longleftrightarrow$	\rightarrowtail	$\longrightarrow$
\hookleftarrow	$\leftarrow$	ackslashhookrightarrow	$\hookrightarrow$
\leftharpoonup		$\$ rightharpoondown	$\overline{}$
\leftharpoondown	$\overline{}$	$\rightharpoonup$	$\rightarrow$
\dashleftarrow	<b>←</b>	\dashrightarrow	>
\Lleftarrow	$\Leftarrow$	\Rrightarrow	$\Rightarrow$
\Lsh	$ \uparrow $	\Rsh	ightharpoons
\looparrowleft	$\leftarrow$	$\label{looparrowright}$	$\hookrightarrow$
\curvearrowleft	$ \leftarrow $	\curvearrowright	$\hookrightarrow$
\circlearrowleft	Q	\circlearrowright	$\mathcal{C}$
\mapsto	$\mapsto$	\longmapsto	$\longmapsto$
\leadsto	<b>~</b> →	\leftrightsquigarrow	<b>&lt;-&gt;&gt;</b>
\leftrightarrows	$\stackrel{\longleftarrow}{\Longrightarrow}$	\rightleftarrows	$\stackrel{\longrightarrow}{\longleftrightarrow}$
\leftrightharpoons	$\stackrel{\longleftarrow}{}$	\rightleftharpoons	$\rightleftharpoons$
\leftrightarrow	$\leftrightarrow$	\Leftrightarrow	$\Leftrightarrow$
\nleftrightarrow	$\leftrightarrow\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	\nLeftrightarrow	<b>#</b>
\longleftrightarrow	$\longleftrightarrow$	\Longleftrightarrow	$\iff$

\xleftarrow{QwQ}	$\leftarrow$ $QwQ$	\xrightarrow{QwQ}	$\xrightarrow{QwQ}$
\xLeftarrow{QwQ}	$\stackrel{QwQ}{\longleftarrow}$	\xRightarrow{QwQ}	$\xrightarrow{QwQ}$
\xhookleftarrow{QwQ}	$\leftarrow QwQ$	\xhookrightarrow{QwQ}	$\stackrel{QwQ}{\longleftrightarrow}$
\xtwoheadleftarrow{QwQ}	$\stackrel{QwQ}{\leftarrow}$	\xtwoheadrightarrow{QwQ}	$\stackrel{QwQ}{\longrightarrow}$
\xleftharpoonup{QwQ}	$\angle QwQ$	\xrightharpoonup{QwQ}	QwQ
\xleftharpoondown{QwQ}	QwQ	\xrightharpoondown{QwQ}	QwQ
\xleftrightarrow{QwQ}	$\langle \stackrel{QwQ}{\longleftrightarrow} \rangle$	\xLeftrightarrow{QwQ}	$\stackrel{QwQ}{\Longleftrightarrow}$
\xtofrom{QwQ}	$\xrightarrow{QwQ}$	\xrightleftharpoons{QwQ}	QwQ
\xmapsto{QwQ}	$\stackrel{QwQ}{\longmapsto}$	\xlongequal{QwQ}	QwQ
\mathllap{QwQ}	$QwQ\Box$	\mathrlap{QwQ}	$\Box QwQ$
\mathclap{QwQ}	QWQ	• • • • •	
\binom{QwQ}{QwQ}	${QwQ\choose QwQ}$	QwQ\brack{QwQ}{QwQ}	$\left[ \begin{smallmatrix} QwQ \\ QwQQwQ \end{smallmatrix} \right]$
\overline{QwQ}	$\overline{\widetilde{Q}wQ}$	\underline{QwQ}	QwQ
\widetilde{QwQ}	$\widetilde{QwQ}$	\widehat{QwQ}	$\overline{\widehat{QwQ}}$
\boxed{QwQ}	QwQ	\fbox{QwQ}	QwQ
\check{QwQ}	$oxed{Q \check{w} Q}$	\acute{QwQ}	$Q\hat{w}Q$
\grave{QwQ}	$\grave{QwQ}$	\bar{QwQ}	$Q\overline{w}Q$
\hat{QwQ}	$\hat{QwQ}$	\tilde{QwQ}	$ ilde{QwQ}$
\mathring{QwQ}	$\r{QwQ}$	\dot{QwQ}	$\dot{QwQ}$
\ddot{QwQ}	$\ddot{QwQ}$	\breve{QwQ}	$reve{QwQ}$
\cancel{QwQ}	QwQ	\bcancel{QwQ}	QwQ
\xcancel{QwQ}	QuQ	\not{QwQ}	$ \mathcal{Q}wQ$
\vec{QwQ}	$ec{QwQ}$		
\tiny QwQ	QwQ	\small QwQ	QwQ
Q\omegaQ	$Q\omega Q$	\large QwQ	QwQ
\Large QwQ	QwQ	\LARGE QwQ	QwQ
\huge QwQ	QwQ	\Huge QwQ	QwQ

\Bbb{A}	ABCDEFGHIJKLMNOPQRSTUVWXYZ
{\bf Aa0}	${\bf ABCDEFGHIJKLMNOPQRSTUVWXYZ} abcdefghijklmnopqrstuvwxyz 0123456789$
\boldsymbol{Aa}	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz
\frak{Aa0}	ABCDEFGHIJALMNDPQRGTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789
$\mathbb{Aa0}$	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789
$\mathbb{A0}$	$\mathcal{ABCDEFGHIJKLMNOPQRSTUVWXYZ}0123456789$
$\mbox{Mathscr\{A\}}$	ABCDEFGHI J KLMNO P QRS TUVW XYZ
{\rm Aa}	${\bf ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz}$
{\tt AaO}	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789
{\sf Aa0}	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789

\nless	*	\ngtr	*	\leqslant	<b>\leq</b>	\geqslant	$\geqslant$	\nleqslant	*	\ngeqslant	¥
\le	$\leq$	\ge	$\geq$	\lneq	$\leq$	\gneq	$\geq$	\nleq	$\not\leq$	\ngeq	≱
\leqq	$\leq$	\geqq	\ \	\lneqq	$\leq$	\gneqq	>	\nleqq	<b>≠</b>	\ngeqq	**************************************
\prec	$\prec$	\succ	$\succ$	\nprec	X	\nsucc	X	\eqslantgtr	$\geqslant$	\eqslantless	⟨
\preceq	$\preceq$	\succeq	$\succeq$	\npreceq	$\neq$	\nsucceq	$\not\succeq$	\precneqq	$\not \equiv$	\succneqq	¥
\11	«	\gg	$\gg$	\eqcolon	-:	\eqqcolon	=:	\Eqcolon	-::	\Eqqcolon	=::
\equiv	$\equiv$	\ne	$\neq$	\eqcirc		\circeq	<u>°</u>	\doteq	$\doteq$	\doteqdot	<u>.</u>
\triangleq	$\triangleq$	\cong	$\cong$	\approx	$\approx$	\eqsim	$\overline{\sim}$	\simeq	$\simeq$	\backsimeq	$\simeq$
\sim	$\sim$	\backsim	>	\prime	1	\backprime	1	\angle	_	\measuredangle	4
\in	$\in$	\ni	$\ni$	$\n$	∉	\notni	∌	\sub	$\subset$	\supset	$\supset$
\sube	$\subseteq$	\supe	$\supseteq$	\subsetneq	$\subsetneq$	\supsetneq	$\supseteq$	\nsubseteq	$\not\sqsubseteq$	\nsupseteq	<b>⊅</b> ⊃≠
\subseteqq	$\subseteq$	\supseteqq		$\sl_subsetneqq$	$\neq$	\supsetneqq		\nsubseteqq	$\not\sqsubseteq$	\supsetneqq	$\supseteq$
\neg	$\neg$	\forall	$\forall$	$\ensuremath{ ext{}}$ exist	$\exists$	\nexists	∄	\because	•.•	\therefore	
\cap	$\cap$	\cup	$\cup$	\complement	C	\uplus	$\forall$	\empty	Ø	\varnothing	Ø
\aleph	X	\beth	L	\gimel	I	\daleth	٦	\digamma	F	\backepsilon	€
\imath	$\imath$	$\$ jmath	J	\ell	$\ell$	\wp	80	\pounds	£	\nabla	$\nabla$
\Re	$\Re$	\Im	3	\partial	$\partial$	\eth	ð	\hbar	$\hbar$	\hslash	$\hbar$
\infty	$\infty$	\surd	$\sqrt{}$	\intercal	Τ	\mho	$\Omega$	\yen	¥		
\Finv	Ь	\Game	G	\circledR	$^{ ext{R}}$	\circledS	$\odot$	\copyright	$\bigcirc$	\divideontimes	*
\Complex	$\mathbb{C}$	\R	$\mathbb{R}$	\Z	$\mathbb{Z}$	\Bbbk	$\Bbbk$			\qquad	
\diamonds	$\Diamond$	$\hearts$	$\Diamond$	\clubs	*	\spades		\star	*	\bigstar	*
\flat	b	\natural	Ц	\sharp	#	\dagger	†	\ddagger	‡	\wr	}
\lang	(	\rang	$\rangle$	\lfloor		\rfloor		\lceil	Γ	\rceil	7
\vert		\Vert		\vee	$\vee$	\wedge	$\wedge$	\curlyvee	$\Upsilon$	\curlywedge	人
\bot	$\perp$	\top	$\top$	\vdash	$\vdash$	\dashv	$\dashv$	\pm	$\pm$	\mp	干
\multimap	<u></u>	\times	×	\div	•	\cdot	•	\circ	0	\bullet	•
\setminus	\	\centerdot		\bowtie	$\bowtie$	\diamond	$\Diamond$	\lozenge	$\Diamond$	\blacklozenge	•
\boxplus	$\blacksquare$	\boxminus	$\Box$	\boxtimes	$\boxtimes$	\boxdot	•	\square		\blacksquare	
\smile	$\overline{}$	\frown		\oplus	$\oplus$	\circleddash	$\bigcirc$	\ominus	$\ominus$	\oslash	$\oslash$
\otimes	$\otimes$	\circledast	*	\odot	•	\circledcirc	0	\shortmid		\shortparallel	11
\bigcap	$\overline{\bigcup}$	\bigcup	U	\bigwedge	$\wedge$	\bigvee	V	\prod	Ĭ	\coprod	Ī
\sum	$\sum_{\mathbf{a}}$	\biguplus	+	\bigcirc	$\bigcirc$	\bigodot	$\odot$	\bigoplus	$\bigoplus$	\bigotimes	$\otimes$
\int	ſ	\oint	∮	\iint	IJ	\oiint	∯	\iiint	$\iiint$	\oiiint	∰

\color{black}黑色	黑色	\color{darkgray}深灰	深灰
\color{gray}灰色	灰色	\color{silver}银色	银色
\color{lightgray}浅灰	浅灰	\color{white}白色	白色
\color{brown}棕色	棕色	\color{maroon}栗色	栗色
\color{red}红色	红色	\color{fuchsia}桃红	桃红
\color{magenta}品红	品红	\color{pink}粉红	粉红
\color{orange}橙色	橙色	\color{yellow}黄色	黄色
\color{lime}青柠	青柠	\color{olive}橄榄	橄榄
\color{green}绿色	绿色	\color{aqua}水绿	水绿
\color{cyan}青色	青色	\color{teal}靛青	靛青
\color{blue}蓝色	蓝色	\color{navy}海蓝	海蓝
\color{violet}罗兰	罗兰	\color{purple}紫色	紫色