

Math Facts for the SHSAT

Mathematical Symbols			
absolute value; magnitude	$ x $	minute [of an arc]	'
angle	\sphericalangle	much greater than	\gg
approaches	\rightarrow	much less than	\ll
approximately equals	\approx	multiply	\times, \cdot
arc CD	\overparen{CD}	not equal to	\neq
Biconditional ("if and only if")	\leftrightarrow	parallel	\parallel
braces	$\{ \}$	parallelogram	\square
brackets	$[]$	parentheses	$()$
cent	\cent	percent	$\%$
circle	\bigcirc	perpendicular	\perp
congruent	\equiv	pi (approximately 3.14)	π
degree	$^\circ$	plus	$+$
divide	$\div, /$	plus or minus; positive or negative	\pm
dollar	$\$$	proper subset	\subset
Existential Quantifier ("for some")	\exists	proportion	$::$
empty/null [set notation]	\emptyset	radical sign (cube root)	$\sqrt[3]{\quad}$
"is an element of" [set notation]	\in	radical sign (square root)	$\sqrt{\quad}$
"is not an element of" [set notation]	\notin	ratio	$:$
equals	$=$	ray AB	\overrightarrow{AB}
factorial	$!$	rectangle	\square
function	f	right angle	$\text{right angle symbol}$
greater than	$>$	second [of an arc]	"
greater than or equal to	\geq	similar to	\sim
logically equivalent to	\equiv	square	\square
infinity	∞	"is a subset of" [set notation]	\subseteq
intersection [set notation]	\cap	"is not a subset of" [set notation]	$\not\subseteq$
less than	$<$	standard deviation	σ
less than or equal to	\leq	summation	Σ
line AB	\overline{AB}	therefore	\therefore
line segment AB	\overline{AB}	triangle	\triangle
mean	\bar{x}	union [set notation]	\cup
median	\tilde{x}	Universal Quantifier ("for all")	\forall
minus	$-$	varies as; proportional to	\propto