Introduction to Accessible Math

PDF	Math saved in a PDF format is not accessible to screen readers used by the blind. An alternative would be to use Math Markup Language (MathML). The math could then be added to a web page, so it could be read by a screen reader.
PowerPoints	Math included in a PowerPoint presentation is not accessible to screen readers used by the blind.
MathML	Math Markup Language (MathML) is the standard for accessible online math. Similar to HTML, MathML can be posted on a web page and read by a screen reader. An Introduction to MathML from IBM. http://www.ibm.com/developerworks/library/x-mathml3/
LaTex	Math created using LaTex documents can usually be translated to braille.
MS Word & MathType	MathType is a math editor created by Design Science that is an add-on to Microsoft Word. Math created with MathType can be exported as MathML or LaTex.
Nemeth	Mathematical braille created by Abraham Nemeth. LaTex files loaded into Scientific Notebook and then imported Duxbury Braille Translation software is one possible way to produce braille documents. Typing Nemeth codes directly into Duxbury Braille Translation software is another method to produce printed braille.
Graph	Verbal descriptions of images is one possible solution for graphs. Tactile images with braille or large labels is another.

For more information on creating accessible math, please contact:

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