CAPABILITIES OF MATH TALK

1. What the package comes with:

Voiced Software ALL DNS 12

Other Software Required Scientific Notebook (Included)

Type of Math All Math

Graphing Yes

Has MuPad™; Can solve, evaluate, factor, expand, Yes

simplify and more

Translate to Braille Yes

Manual/Tutorial Hardcopy & on CD

Save Print Homework Yes

Teacher Can Prepare Homework Yes

Student Can Do Homework Yes

1. MathTalk allows the user to voice any math from pre-algebra, algebra, trig, calculus, statistics, thru Ph.D. and graduate level.  This includes voicing graphs.
2. Scientific Notebook: SN is powered by MuPad™ and has GRAPHING capabilities. SN will also evaluate, evaluate numerically, factor, combine, expand, simplify, check equality, solve exact and more.
3. **Learn MathTalk quickly and easily with ‘Train Initial Commands' and Training Modules for Pre-Algebra, Algebra, Trig, Calculus, and Statistics.   Additional features include a CD video demos showing use of the “replace” command,   graphing, AND translating math to Braille!**
4. **Save to LaTeX, math ML or translate to Braille**
5. **Comes with voice commands to translate math into BRAILLE using the Duxbury Braille Translator!**

SYSTEM REQUIREMENTS:

* Dragon Naturally Speaking 12 or higher- If using a laptop, invest in an Andrea noise cancelling headset mic (comes with a sound-card booster sound chip which improves recognition significantly)
* 2 GHz PC; \* Intel Pentium or equivalent AMD (more is better – I have a 4 GHz processor)
* 2.5 GB free hard disk space
* Microsoft Windows XP, Windows 7, Windows 8
* SoundBlaster or compatible soundcard
* 4 GIG RAM  for Dragon 12 (more is better – I have 8 GB ram)
* Microsoft Internet Explorer v.6 or higher (free download from [www.microsoft.com](http://www.microsoft.com))
* CD-ROM drive for installation
* Web connection is required for activation

DEMOS to CREATE:

* 1. **Quick Reference Laminate** Showing Quick Reference Laminate Included with MathTalk
  2. **Training MathTalk™** Showing Use of TWO Recommended MathTalk Training Materials
  3. **Pre-Algebra  
     Example 1**
  4. **Pre-Algebra  
     Example 2** Fractions, Integers, Variables
  5. **Algebra** Quadratic Formula Example  
     Entering quadratic formula with a  
     single voice command  
     Defining a=, b=, c=  
     Inserting those variables into the formula
  6. **Trigonometry** Use of MathTalk’s Trig Commands
  7. **Calculus** Use of MathTalk’s Calculus Commands
  8. **Statistics** Calculating A Standard Normal Probability
  9. **Adding Text to MathTalk™** Voicing text in math work
  10. **Graphing** Graphing by Voice
  11. **Solve, Evaluate, Simplify** Use of MathTalk's Commands
  12. **Replace Command** Replace Item in an Equation
  13. **Math Expressions** Single MathTalk Commands Creating Math Expresions
  14. **Math to Braille** MathTalk creating math in ScientificNotebook Opening that math in Duxbury Braille Translator Translating that math into Braille using Dragon

Additional demos found: <http://www.mathtalk.com/demos.htm>

Tech Information:

**Dragon 12 users:**

**\*Remedy for Dragon Dictation Box voluntarily appearing...**

In the Dragon Bar, go to Tools, Options, Miscellaneous, uncheck 'Use Dictation Box for Unsupported Applications".

Click Apply, OK.

You shall still be able to say 'show dictation box' whenever you wish.

1. **Follow the math program installation and configuration instructions** very carefully.
2. **Tech support** is via email at [mathtalk@mathtalk.com](mailto:mathtalk@mathtalk.com)
3. For excellent speech recognition, you must speak distinctly and say each and every syllable of each and every word in the command. Say the commands as one word. You cannot mumble or cut short pronunciation.
4. Teach the program to understand you!! Usually, training a misrecognition is all that is needed.
5. For maximum efficiency, you should have only the speech engine and the math program active - no other programs.
6. Learn only what you need! You need Pre-Algebra - do the Pre-Algebra Learning Module. There are also Learning Modules for Algebra, Trig, Calculus and Statistics.
7. We recommend that you disable any virus software. In some instances, they may interfere with MathTalk/Scientific Notebook/Naturally Speaking.
8. Do not minimize the Dragon voice bar for MathTalk.
9. MathTalk will not open with another MathTalk application already running.   
   You will get an error message if you try to restart MathTalk AND have not closed an already opened MathTalk. That already opened MathTalk icon shows in the bottom tray.  To close MathTalk, click the icon and either say "exit MathTalk" or click the Button.
10. If loading the MathTalk portion on a Tablet PC, you may get "..invalid serial #" and not be able to load MathTalk.  
    Remedy:  
    Assuming that you have already loaded both Dragon and ScientificNotebook on the Tablet PC:
    1. Load the MathTalk portion on another computer (a computer other than the Tablet PC).
    2. Copy the MathTalk folder in C drive & paste that MathTalk folder in C drive on the Tablet PC.
    3. Copy the MathTalk.exe file from this MathTalk folder & paste the MathTalk.exe on the Tablet PC desktop.
    4. Continuing referring to MathTalk/ScientificNotebook Install Instructions beginning at "IV. Configure NaturallySpeaking and Copy Scinoteb...."