

Teaching with a Tablet PC

Using the Tablet in the Classroom

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Markup and Freeform Drawing

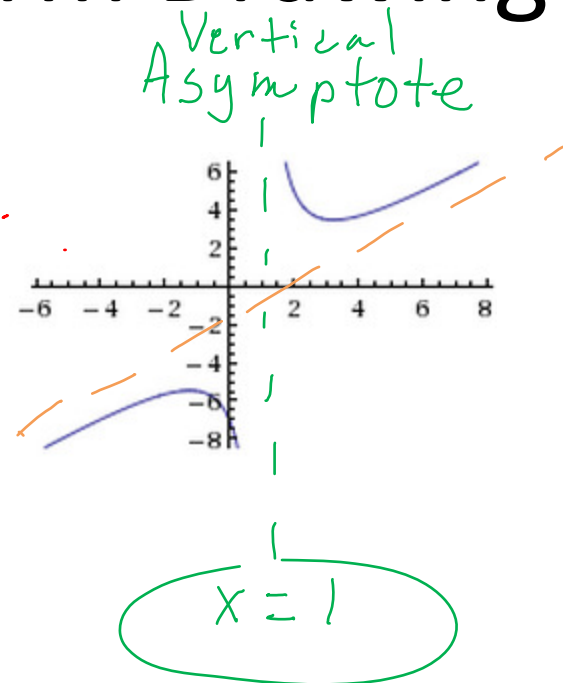
From **Wolfram Alpha**

Quotient and remainder:

$$x^2 - 3x + 7 = (-2 + x) \times (-1 + x) + 5$$

$$\begin{array}{r} x - 2 \\ x - 1 \overline{) x^2 - 3x + 7} \\ \underline{-x^2 + x} \\ -2x + 7 \\ \underline{+2x - 2} \\ 5 \end{array}$$

slant asymptote



Markup and Freeform Drawing

- Paint (or other drawing program)
- Word or PowerPoint:
Review → Start Inking (old: Insert → Shapes → Lines → Scribble)
- AcrobatPro: View → Comment → Drawing
Markups → Draw free form
- Office OneNote
- Windows Journal
- Math Input Panel (Start → All Programs
→ Accessories) or MS Equation Writer

Office OneNote

- Choose pen for writing
Tools → Writing Tools
- ... → Convert to text:
- F11 to toggle between Full Page View and standard view.
- (Aside: If you use multiple computers, you can keep notebooks in DropBox.)

Windows Journal

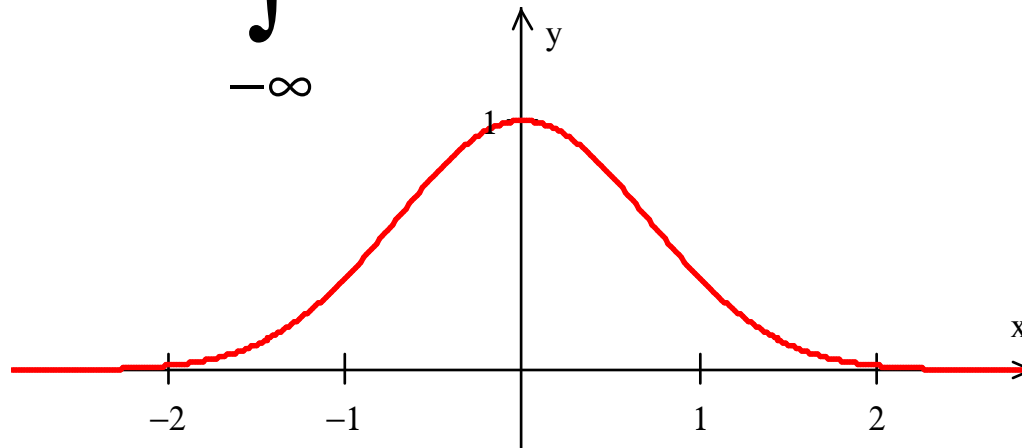
- New document: Lined sheet
- File → Page Setup → Style
- Tools → Options → Note Format
- View → Toolbars
- Insert → Insert/Remove Space
- Actions → Change Shape To

Insert Images

- Insert → Insert Picture
- Drag from TI Emulator
- Copy and paste
- Jing (or SnagIt, etc.) and paste
 - WolframAlpha
 - Google

Windows Journal: Print to Journal Note Writer

$$\int_{-\infty}^{\infty} e^{-t^2} dt = \sqrt{\pi}$$



Print to Journal Note Writer (cont'd):

Guided Notes

A *linear equation* (with two variables x and y) can be written in the form $ax + by = c$ for some constants a , b , and c . The graph of such an equation is a _____.

An *intercept* is a point where the graph hits an axis. An x -intercept is on the x -axis, so it must have its y -coordinate equal to _____, and a y -intercept must have x _____.

Print to Journal Note Writer (cont'd)

- To hide and reveal pre-prepared answer
 - Use black highlighter to hide
 - Use Stroke Eraser to remove

(To install Note Writer, open Journal, click on Tools
→ Install or Repair Journal Note Writer.)

Possibly Useful Free Utilities

- Jing (to capture figures and text) from TechSmith: <http://www.techsmith.com/>
- Pen Attention or Cursor Attention (so you can “point”): <http://www.math.uaa.alaska.edu/~afkjm/PenAttention/download.html>
- Virtual Magnifier (so you can magnify part of your screen): <http://magnifier.sourceforge.net/>
- Dropbox (synchronize and back-up across computers): <http://db.tt/X8vxQHP>
- Fences (to clean up desktop): http://download.cnet.com/Fences/3000-2072_4-10909535.html

Tablet PC Alternatives

- Standard swivel design (e.g. Lenovo)
- Slate
- External tablet
- iPad