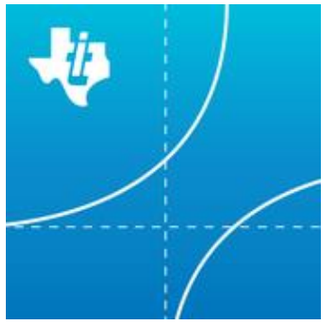
IncluEdu
where learning is inclusive

Paperless Maths Lessons


Mag. Joachim Friessnig

BG/BRG Fürstenfeld

- Founded in 1905 as "KK Staatsrealschule"
- 800 students, 70 teachers
- Academic secondary school for students from 10 to 18 years of age
- Final Exam: Leaving examination

iPads @ BG/BRG Fürstenfeld

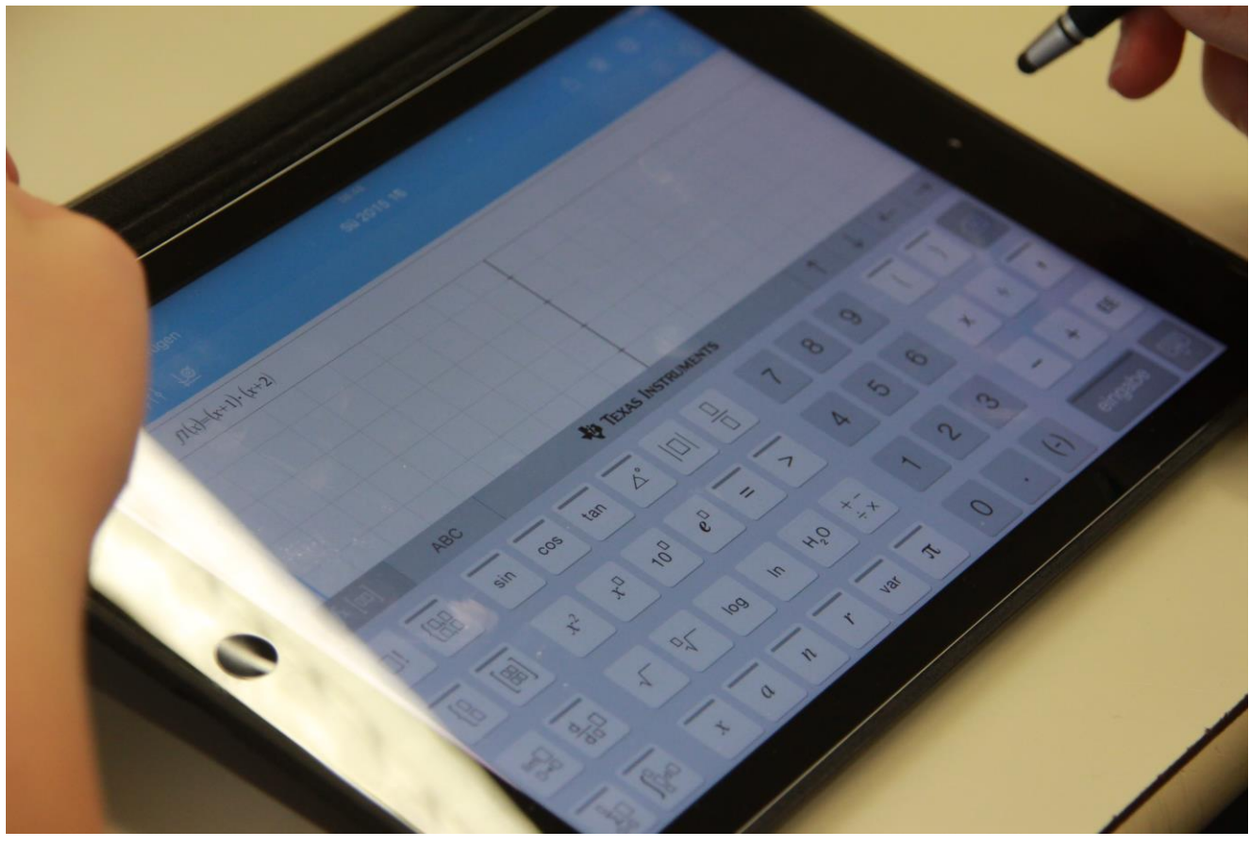
- from 2011/12
- from the beginning: 1:1 approach
- 1 - 5 iPad - Classes per schoolyear
- from 2014/15 Erasmus+ Project: „Methodological-didactic Use of iPads in lessons“
- http://ipad-unterricht.blogspot.de
- 2015/16: 4 iPad classes

Technical equipment

- iPad 3,4, iPad Air 2,4 iPad mini, iPad Pro
- Wifi, since 2015 user authentification
- Projector VGA, HDMI
- Apple Pencil
- Stylus, Adapter
- Apple TV

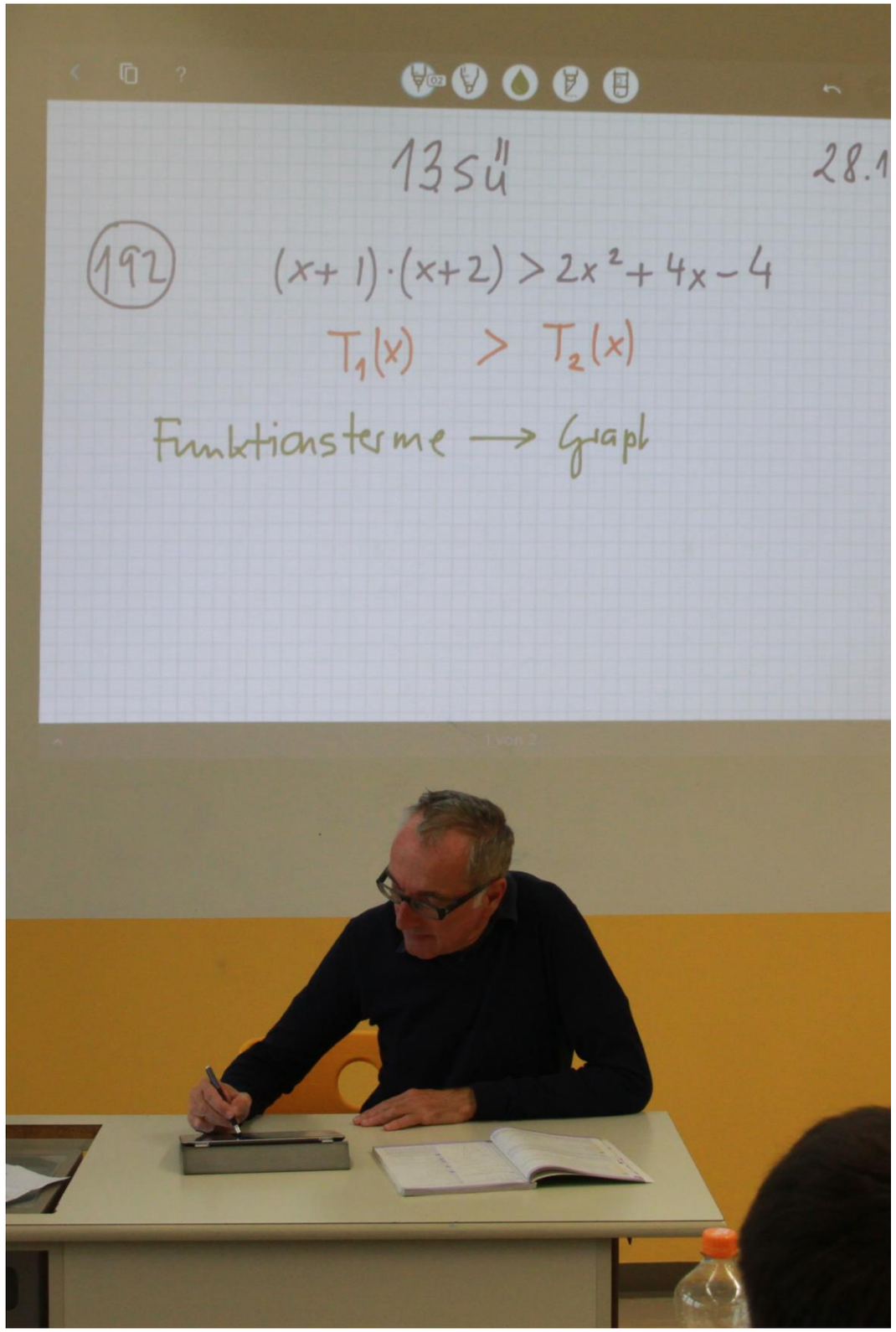
Software - Apps

- Penultimate, GoodNotes, Notability, Bamboo Paper
- Showbie
- Socrative
- Quizlet
- Pages, Numbers, Keynote
- Ti Nspire CAS
- Dropbox

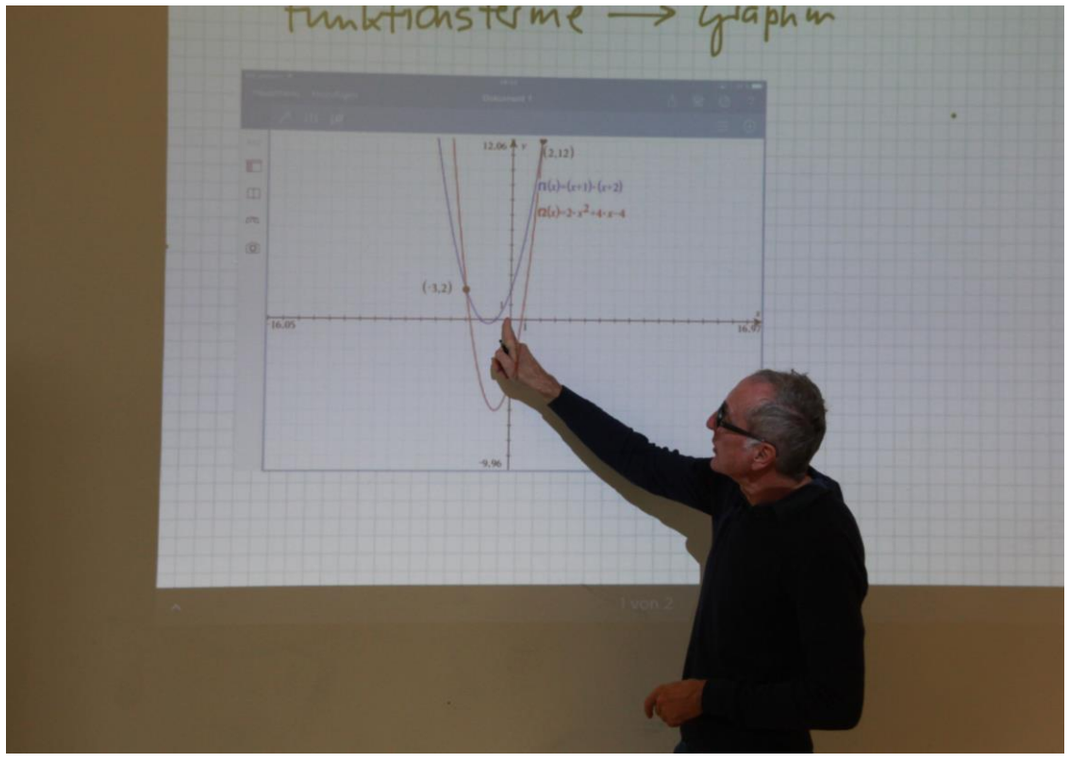


Classroom of the future?

- Wifi & wireless projection of students iPads to the wall
- HDMI projector (Video, Sound)
- projection surface
- lectern

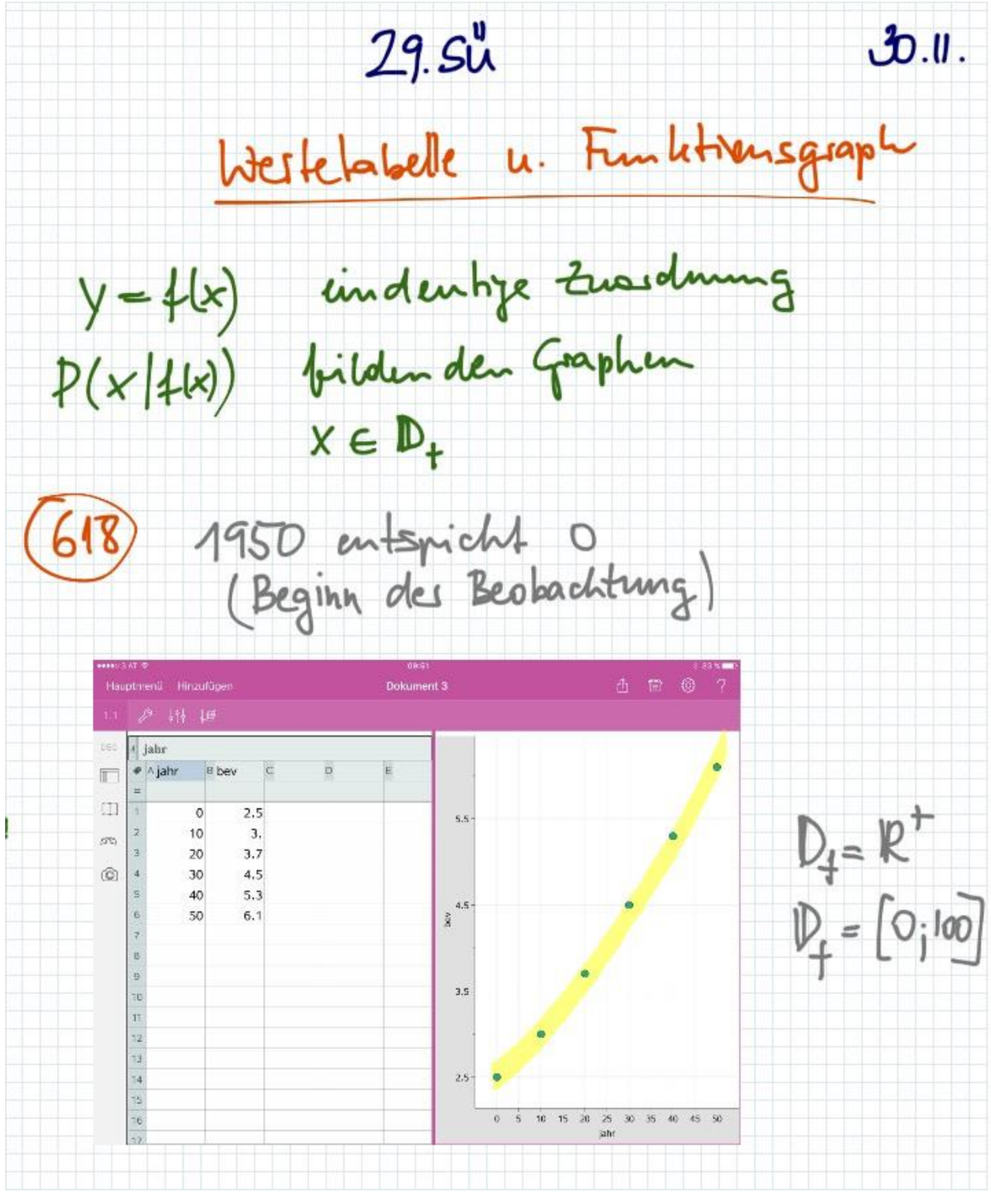

13 5u
28.1
192
(x+1)·(x+2) > 2x²+4x-4
T₁(x) > T₂(x)
Funktionsterme → Graph
1 von 2


Gleichungen-6b


Funktionsterme → Graphen
(2,12)
n(x)=(x+1)·(x+2)
n(x)=2·x²+4·x-4
(-1,2)
12.06
-9.96
16.05
1 von 2

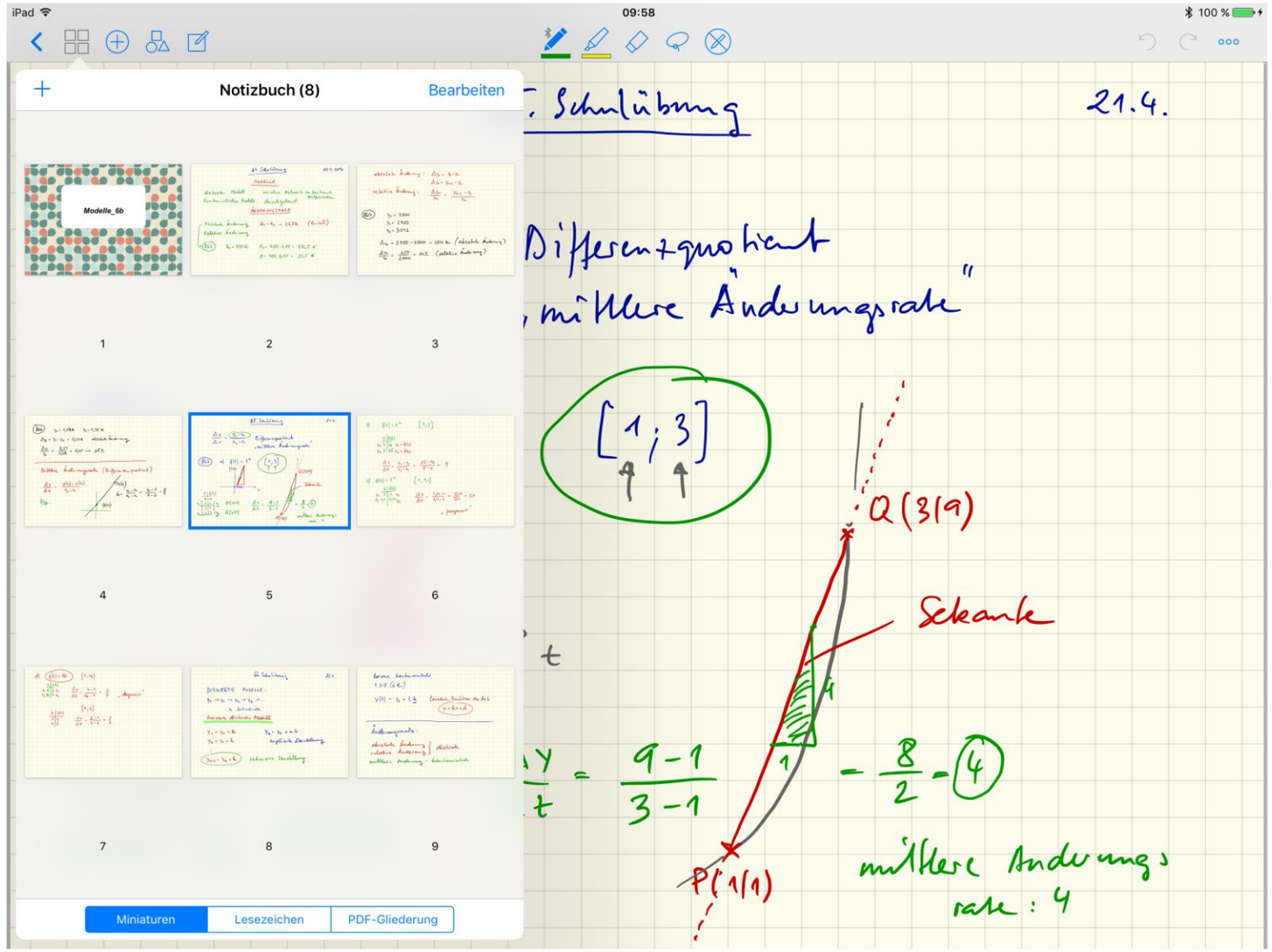
Note taking Apps

- Penultimate
- I have used it for years
- light, bright colours
- easy to use
- it can be easily followed when projected.
- You ca export your notes as a PDF.
- Lense function
- other Apps: Notability, Paper, Bamboo Paper,…

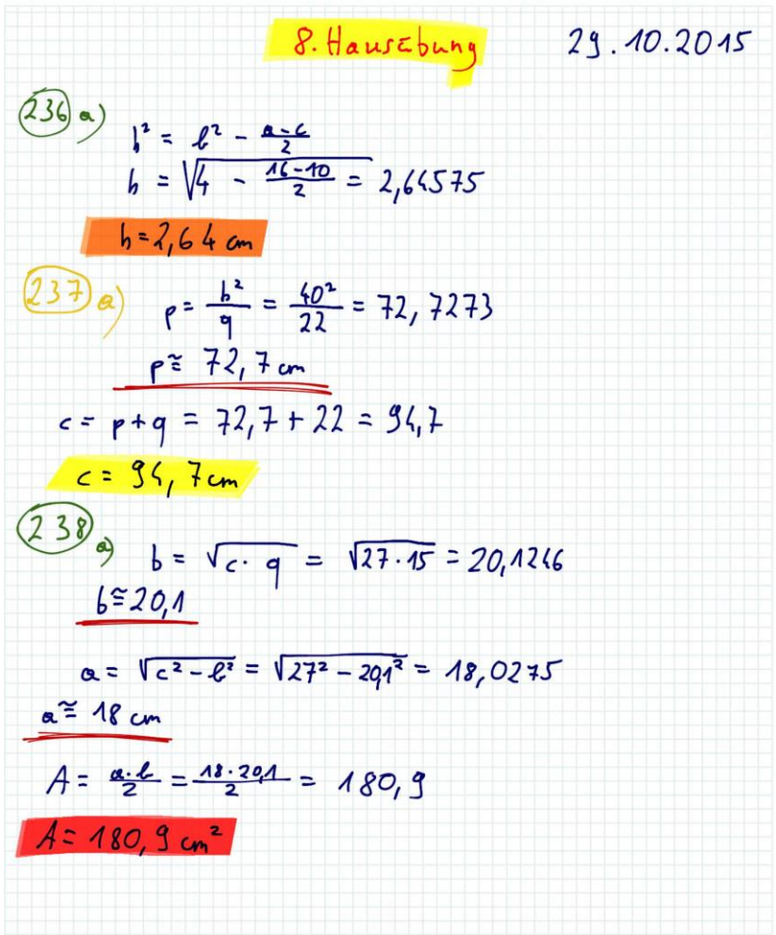


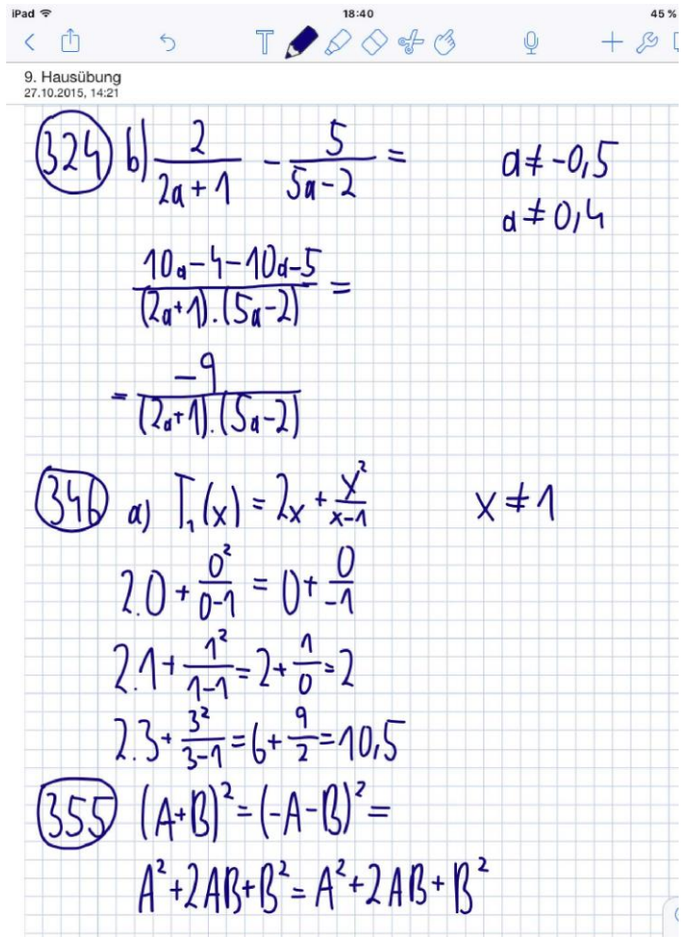
Good Notes

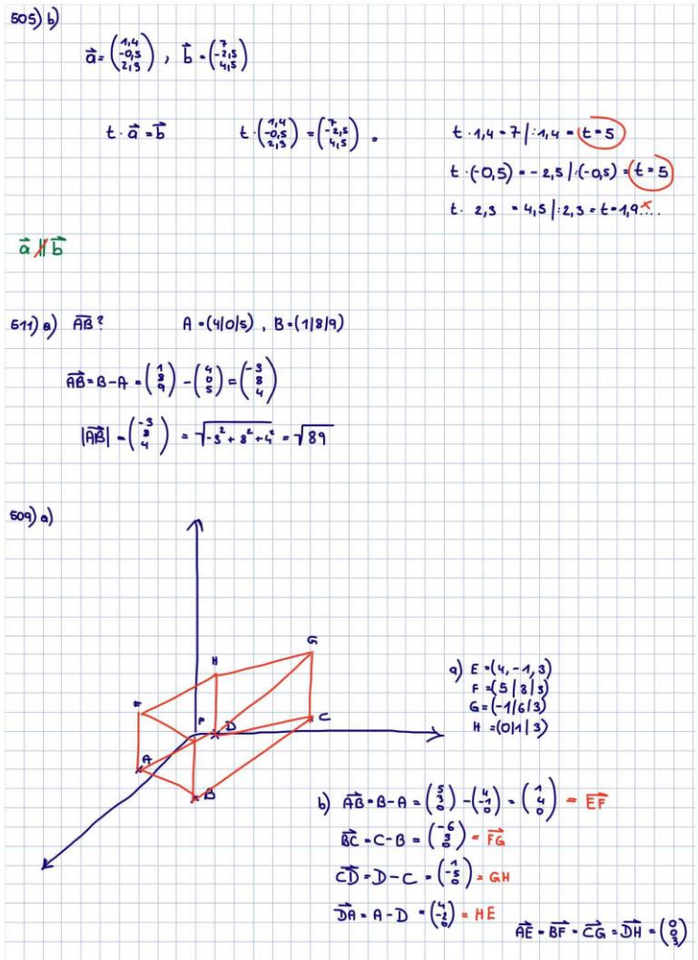
- use it since 2016
- very user friendly
- can also be projected very easily
- PDFs and other elements can be imported into my Notes as well as exported
- Magnyfication function
- geometric forms
- transform handwriting into computer text



Students notes with the iPad

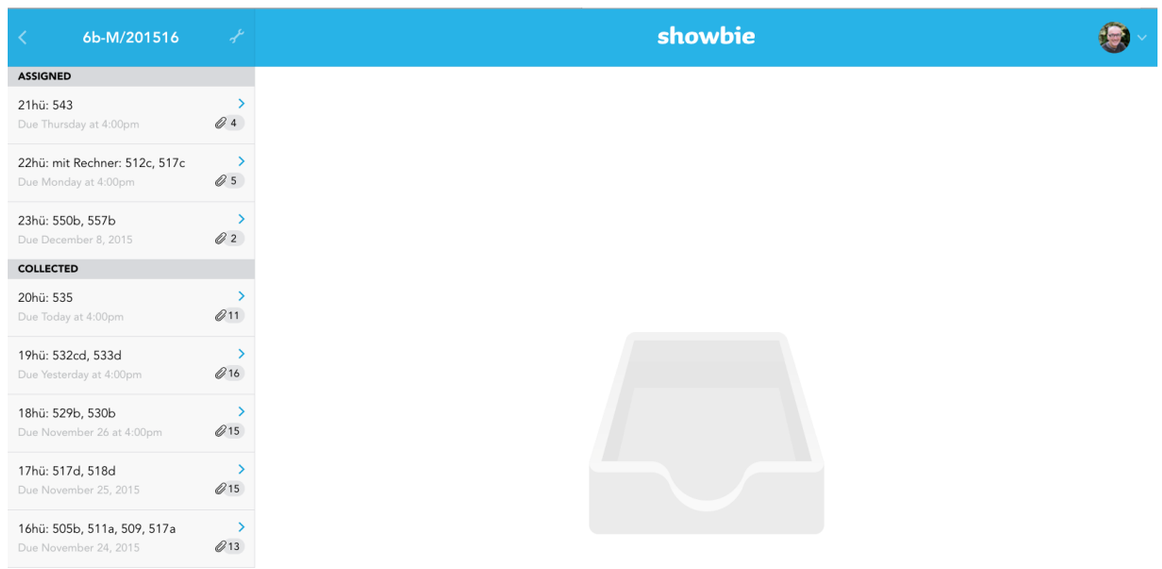




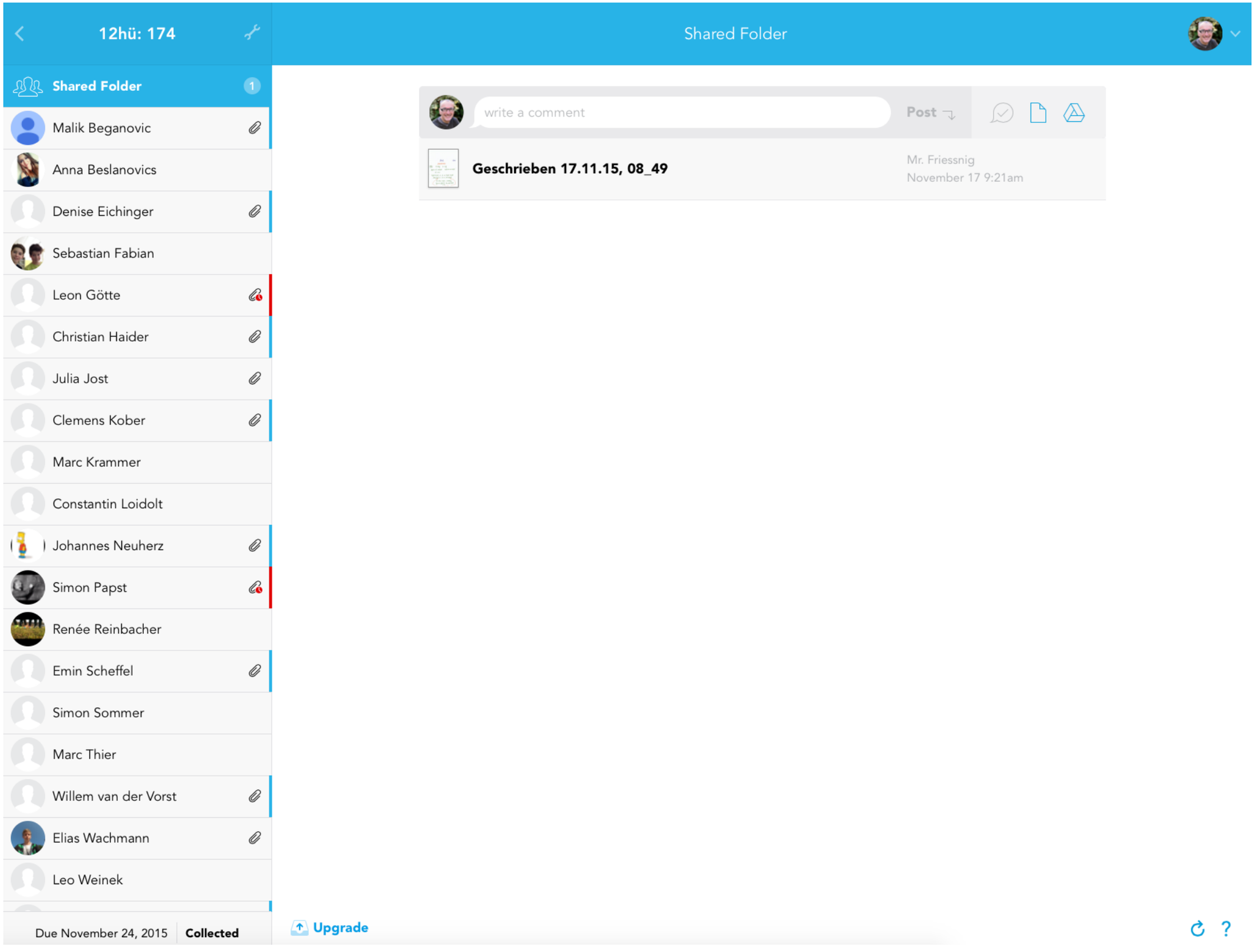


Showbie

- The class management solution for iPad classes.
- requirement: good Wifi connection
- all communication via the Showbie Servers
- Platform indipendent - browser versions
- Teacher and Students share data in an easy and well organised way
- teacher notes are shared with students together with their homework.



Showbie


12hü: 174
Shared Folder
Shared Folder 1
Malik Beganovic
Anna Beslanovics
Denise Eichinger
Sebastian Fabian
Leon Götte
Christian Haider
Julia Jost
Clemens Kober
Marc Krammer
Constantin Loidolt
Johannes Neuherz
Simon Papst
Renée Reinbacher
Emin Scheffel
Simon Sommer
Marc Thier
Willem van der Vorst
Elias Wachmann
Leo Weinek
Due November 24, 2015
Collected
write a comment
Post
Geschrieben 17.11.15, 08_49
Mr. Friessnig
November 17 9:21am
Upgrade

TI Nspire CAS

- fullfills the technical requirements for leaving examinations 2018 in Austria
- Costs are around 30€
- Currently only available as an iPad-App.
- Very powerful maths app
- Can perfectly be combine with GoodNotes and Showbie
- Animations available - e.g. Slider