

NUMBAS



Numbas is an easy way to create online tests.

Our free web-based system helps you build the exams you need to challenge your students, complete with videos and interactive diagrams.

Numbas is free and open-source, and used in dozens of universities, schools, and professional institutions around the world.

“

Numbas automatically corrected assessments, gave the students instant feedback and even sent the results to my Blackboard account. Brilliant!

- Julie Crowley,
Cork Institute of Technology

”

Previous

Question 1

Next



Differentiate the following function.

$$f(x) = -8x^3 - 4x^2 + 7$$

$$\frac{df}{dx} = -24x^2 - 8x \quad -24x^2 - 8x \quad \checkmark$$

Show steps

(You will lose 1 mark.)

Show feed

- Instantly mark and give feedback on students' answers.
- Fully randomise questions with a sophisticated scripting language.
- Customise with extensions or match your look with bespoke themes.
- Many question types supported: text, number entry, multiple choice, mathematical expression, etc.
- No set-up needed: integrates with your VLE through SCORM or LTI, or deliver over the web or offline.

When does a sequence get within ϵ of L ?

Newcastle University Mathematics and Statistics

$x_n = \frac{an^2+b}{cn^2+d}$. Find the least integer N such that $2 \leq r \leq 6$. Determine whether the sequence converges or diverges. If it converges, find the limit.

It's easy to get started with Numbas

Browse our online question database for thousands of high-quality, free-to-use questions written and used in courses by lecturers around the world.

Easily tailor materials to your own needs, and get up to speed writing your own questions with easy-to-follow tutorials and comprehensive documentation.

There's no sign-up cost or server to set up: Numbas integrates with your VLE without any installation!