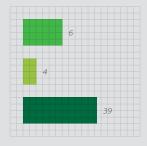
## GRADE 12 MATHEMATICS

### WRITTEN BY VOLUNTEERS

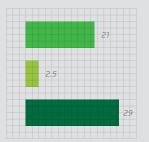




- Trigonometry exercises in this book
- Geometry exercises in this book
- Algebra exercises in this book



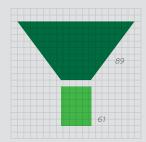
- Litres of ink used in the production of all the grade 10, 11 and 12 textbooks
- Litres of glue used in the production of all the grade 10, 11 and 12 textbooks



- Breadth of this book (cm)
- *Depth* of this book (cm)
- Height of this book (cm)



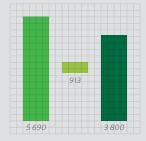
- Number of words used in this book
- Number of pages



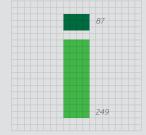
- Hours spent being taught this book
- Hours spent doing homework from this book



- Length of pages side by side (cm)
- Length of pages top to bottom (cm)



- How many times student scratches head while reading this book
- How many times student picks nose while reading this book
- How many times student clicks pen while reading this book



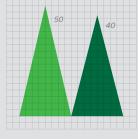
- Number of females who helped write this book
- Number of males who helped write this book



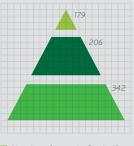
- Masters students who contributed to this book
- Honours students who contributed to this book
- Undergraduate students who contributed to this book



- Hours spent getting book to school per week
- Hours spent getting book home per week
- Hours spent with book in class per week



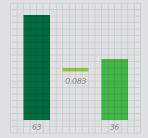
- Average size of class being taught from this book
- Average age of a maths teacher teaching from this book



- Number of pages in Grade 12 Maths textbook
- Number of pages in Grade 11 Maths textbook
- Number of pages in Grade 10 Maths textbook



- Number of Afrikaans volunteers who helped write this book
- Number of English volunteers who helped write this book



- Number of hours spent conceptualising this cover
- Number of hours it takes to manufacture this book
- Number of hours spent designing this cover



- Weekly UCT hackathons that contributed to this book
- Small office *hackathons* that contributed to this book
- Afrikaans hackathons that contributed to this book
- Virtual *hackathons* that contributed to this book



#### **VERSION 0.9 NCS**

# GRADE 12 MATHEMATICS

### WRITTEN BY VOLUNTEERS

This Siyavula Mathematics textbook will teach you **Everything Maths** and everything you'll need to succeed. It will help you sharpen your maths skills and back you when it comes to those end-of-year exams. How?

### THROUGH:

- → An easy-to-get format.

  Step-by-step guides to help you make sense of formulas and concepts.

  Explaining the definitions covered in the South African curriculum in basic terms.
- → A wide range of worked examples that will help you practise your skill and craft your thinking.
- → Mobile and PC support at www.everythingmaths.co.za
- → Being able to download or read this textbook on your phone, iPad or computer wherever you are.
- → Watching videos that will bring the concepts in this textbook to life.
- Summary presentations and interactive simulations for every chapter.
- Online practise using your mobile or PC in order to rate and improve your skills.
- → Asking questions or seeing what others have asked.

This book was written by volunteers who have a career in or simply love maths — including educators, academics and industry professionals.

Now that you've got the breakdown... go on... open the world of Everything Maths.



