



The English Martyrs Mathematics Department

AS/A Level Further Mathematics

Transition Booklet

CONTENTS

Chapter 1	Surds
Chapter 2	Expanding Brackets using Pascal's Triangle
Chapter 3	Introduction to Differentiation
Chapter 4	Introduction to Matrices

Chapter 1: SURDS

Video Link: <https://corbettmaths.com/2019/11/19/rationalising-denominators-harder-video/>

Questions: <https://corbettmaths.com/wp-content/uploads/2019/10/Surds.pdf>
<https://corbettmaths.com/wp-content/uploads/2019/10/Rationalising-Denominators-pdf.pdf>

Answers: <https://corbettmaths.com/wp-content/uploads/2019/10/Surds-Answers.pdf>
<https://corbettmaths.com/wp-content/uploads/2019/10/Rationalising-Answers.pdf>

Chapter 2: EXPANDING BRACKETS

Video link: <https://corbettmaths.com/2019/11/20/expanding-brackets-using-pascals-triangle/>

Questions: <https://corbettmaths.com/wp-content/uploads/2019/07/Pascals-Triangle.pdf>

Answers: <https://corbettmaths.com/wp-content/uploads/2020/02/Pascal-Answers.pdf>

Chapter 3: INTRODUCTION TO DIFFERENTIATION

Video link: <https://corbettmaths.com/2013/12/07/introduction-to-differentiation/>

Questions: <https://corbettmaths.com/wp-content/uploads/2019/07/Differentiation-pdf-1.pdf>

Answers: <https://corbettmaths.com/wp-content/uploads/2019/10/Differentiation-answers.pdf>

Chapter 4: INTRODUCTION TO MATRICES

Video link: <https://corbettmaths.com/2019/06/25/multiplying-by-a-scalar/>

Questions: <https://corbettmaths.com/wp-content/uploads/2019/07/Matrices.pdf>

Answers: <https://corbettmaths.com/wp-content/uploads/2019/10/Matrices-Answers.pdf>