## **Contents**

Introduction	vii
Part I: How to Deal with Mathematical Practice?	
How and Why Mathematics is Unique as a Social Practice JODY AZZOUNI	3
Mathematics as Objective Knowledge and as Human Practice EDUARD GLAS	25
The Comparison of Mathematics with Narrative R. S. D. THOMAS	43
Theory of Mind, Social Science, and Mathematical Practice SAL RESTIVO	61
Part II: Taking Mathematical Practice Seriously	
Incommensurability in Mathematics OTÁVIO BUENO	83
Mathematical Progress as Increased Scope MADELINE MUNTERSBJORN	107
Proof in C17 Algebra BRENDAN LARVOR	119

The Informal Logic of Mathematical Proof ANDREW ABERDEIN	135
Part III: The Special Case of Mathematics Education	
Mathematicians' Narratives about Mathematics LEONE BURTON	155
Philosophy of Mathematics and Mathematics Education ANTHONY PERESSINI AND DOMINIC PERESSINI	175
Mathematical Practices in and Across School Contexts JILL ADLER	191
The Importance of a Journal for Mathematics Teachers AD MESKENS	215
On the Interdisciplinary Study of Mathematical Practice, with a Real Live Case Study REUBEN HERSH	231