
Contents

Introduction	5
Square Roots	7
Irrational Numbers	11
Cube Roots and Approximations of Irrational Numbers	15
Fractions to Decimals	19
Decimals to Fractions	21
Square and Cube Roots as Solutions to Equations	24
More Equations that Involve Roots	27
The Pythagorean Theorem	30
Applications of the Pythagorean Theorem 1	35
A Proof of the Pythagorean Theorem and of Its Converse	38
Applications of the Pythagorean Theorem 2	42
Distance Between Points	46
Review	49
Answers	55
More from Math Mammoth	77