

# Hypatia Of Alexandria Mathematician And Martyr Michael Ab Deakin

Women in Mathematics Hypatia Hypatia of Alexandria Christ in Egypt Lady Philosopher The Wisdom of Hypatia A History of Women Philosophers Books IV to VII of Diophantus' Arithmetica The Tenth Muse The Philosopher Queens Hypatia of Alexandria Treatise on Conic Sections Selene of Alexandria Hypatia's Heritage Textual Studies in Ancient and Medieval Geometry Ptolemy's Almagest Hypatia of Alexandria Rejected Princesses Alexandria 2 Flow Down Like Silver The Name of the Number Alton Locke, Tailor and Poet Seduced by Logic Math Equals Defending Hypatia A History of Ancient Mathematical Astronomy The Engines of Our Ingenuity Hypatia Hypatia Hypatia of Alexandria A History of Greek Mathematics Hypatia of Alexandria Hypatia Holy Murder The Unforgotten Sisters Hypatia Hypatia African Americans in Mathematics Wandering Poets and Other Essays on Late Greek Literature and Philosophy

## Women in Mathematics

### Hypatia

This work presents radically revised and updated versions of the most important and innovative articles published by Alan Cameron in the field of late antique Greek poetry and philosophy, attempting to define pagan and Christian elements in early Byzantine literary culture.

### Hypatia of Alexandria

Discover the Spiritual Secrets of Ancient Philosophy Hypatia was one of the most famous philosophers of the ancient world. The mix of classical philosophies she taught to Pagans, Jews, and Christians in the fourth century forms the very foundation of Western spirituality as we know it today. The Wisdom of Hypatia is a hands-on guide to using the principles of philosophy to bring purpose, tranquility, and spiritual depth to your life. To the ancients, philosophy was a spiritual practice meant to help the seeker achieve a good life and maintain mental tranquility. Bruce J. MacLennan, PhD, provides a concise history of philosophy up to Hypatia's time and a progressive, nine-month program of spiritual practice based on her teachings. Explore the three most important philosophical schools of the Hellenistic Age. Lead a more serene, balanced life. Experience self-actualization through union with the divine. Discover the techniques described in the historical sources, and put into practice the profound insights of the world's greatest minds. Praise: "The Wisdom of Hypatia is grounded in solid scholarship, lucidly written, and, above all, practical. This book reunites spirituality, philosophy, and psychology into a path

for our time, and for all times. Read it. Practice it. You will never be the same.”—Leonard George, PhD, Chair of the Department of Psychology, Capilano University

### **Christ in Egypt**

This book explores the nature of creativity in engineering and technology, and how it relates to creativity in art or science. Lienhard has for ten years done a twice-weekly radio show, carried on about 35 NPR stations, consisting of 3-minute essays on technology. He uses the substance of selected segments of his radio program to create a continuous narrative presenting his insights on technological creativity. This book has the same title as his radio program, to further draw the attention of his one million listeners.

### **Lady Philosopher**

Why should mathematics, the purest of sciences, have a history? Medieval mathematicians took little interest in the history of their discipline. Yet in the Renaissance the history of mathematics flourished. This book explores how Renaissance scholars recovered and reconstructed the origins of mathematics by tracing its invention in prehistoric Antiquity, its development by the Greeks, and its transmission to modern Europe via the works of Euclid, Theon and Proclus. The principal architects of this story -- the French philosopher and University of Paris reformer Peter Ramus, and his critic, the young Oxford astronomy lecturer Henry Savile -- worked out diametrically opposed models for the development of the mathematical arts, models of historical progress and decline which mirrored each scholar's larger convictions about the nature of mathematical thinking, the purpose of the modern university, and the potential of the human mind. In their hands, the obscure story of mathematical history became a site of contention over some of the most pressing philosophical and pedagogical debates of the sixteenth century.

### **The Wisdom of Hypatia**

Newton's explanations of natural laws shattered the way mankind perceived the universe, and hence were not immediately embraced. How can anyone warm to a force that could not be seen or touched? But for two women, separated by time and space but joined in their passion for Newtonian physics, that force drove them to great achievements. Brilliant, determined, and almost entirely self-taught, they dedicated their lives to explaining and disseminating Newton's discoveries. Robyn Arianrhod's *Seduced by Logic* tells the dual biography of Emilie du Chatelet and Mary Somerville, who, despite living a century apart, were connected by their love for mathematics and their places at the heart of the most advanced scientific society of their age. When Newton published his revolutionary theory of gravity in 1687, most of his Continental peers

rejected it for its reliance on physical observation and mathematical insight and its lack of religious or metaphysical hypotheses. But the brilliant French aristocrat and intellectual Emilie du Chatelet and some of her early eighteenth-century Enlightenment colleagues - including her lover, Voltaire - realized the Principia Mathematica had changed everything, marking the beginning of theoretical science as a predictive, quantitative, and secular discipline. Emilie devoted herself to furthering Newton's ideas in France, and her translation of the Principia became the accepted French version of his work. Almost a century later, in Scotland, Mary Somerville taught herself mathematics and rose from genteel poverty to become a world authority on Newtonian physics. Living in France, she became acquainted with the work of one of Newton's proteges, Pierre Simon Laplace, and translated his six-volume Celestial Mechanics into English. It remained the standard astronomy text for the next century, and was considered the most influential work since Principia. Combining biography and history of science, *Seduced by Logic* not only reveals the fascinating story of two incredibly talented women, but also brings to life a period of dramatic political and scientific change. With lucidity and skill, *Arianrhod* reveals the intimate links between the unfolding Newtonian revolution and the origins of intellectual and political liberty.

### **A History of Women Philosophers**

A philosopher, mathematician, and martyr, Hypatia is one of antiquity's best known female intellectuals. During the sixteen centuries following her murder, by a mob of Christians, Hypatia has been remembered in books, poems, plays, paintings, and films as a victim of religious intolerance whose death symbolized the end of the Classical world. But Hypatia was a person before she was a symbol. Her great skill in mathematics and philosophy redefined the intellectual life of her home city of Alexandria. Her talent as a teacher enabled her to assemble a circle of dedicated male students. Her devotion to public service made her a force for peace and good government in a city that struggled to maintain trust and cooperation between pagans and Christians. Despite these successes, Hypatia fought countless small battles to live the public and intellectual life that she wanted. This book rediscovers the life Hypatia led, the unique challenges she faced as a woman who succeeded spectacularly in a man's world, and the tragic story of the events that led to her tragic murder.

### **Books IV to VII of Diophantus' Arithmetica**

This biography of Hypatia, the female philosopher and mathematician in Christian Egypt, provides background on her work and her life as an elite woman at this time. There are many myths about Hypatia, including her research, inventions and the impact of her murder, all based on a handful of contemporary resources. Through presenting the different theories and myths alongside the available evidence, this book will enable the reader to make their own interpretations about her life. Whilst the evidence does leave many questions unanswered, this book provides the evidence as it stands, separating the myth from reality. There is very little published on Hypatia and she forms quite a niche market in the history of ancient

Egypt. However, she is an interesting example of how multicultural Alexandria functioned at such an unstable political time, and provides anecdotal evidence of the atrocities that occurred. This book will appeal to scholars, lay people and political and religious researchers, and will show that the history of Egypt does not end at Cleopatra.

### **The Tenth Muse**

Portrays the lives and recovers the scientific contributions of women whose names have been left out of history books

### **The Philosopher Queens**

This edition of Books IV to VII of Diophantus' Arithmetica, which are extant only in a recently discovered Arabic translation, is the outgrowth of a doctoral dissertation submitted to the Brown University Department of the History of Mathematics in May 1975. Early in 1973, my thesis adviser, Gerald Toomer, learned of the existence of this manuscript in A. Gulchin-i Macani's just-published catalogue of the mathematical manuscripts in the Mashhad Shrine Library, and secured a photographic copy of it. In September 1973, he proposed that the study of it be the subject of my dissertation. Since limitations of time compelled us to decide on priorities, the first objective was to establish a critical text and to translate it. For this reason, the Arabic text and the English translation appear here virtually as they did in my thesis. Major changes, however, are found in the mathematical commentary and, even more so, in the Arabic index. The discussion of Greek and Arabic interpolations is entirely new, as is the reconstruction of the history of the Arithmetica from Diophantine to Arabic times. It is with the deepest gratitude that I acknowledge my great debt to Gerald Toomer for his constant encouragement and invaluable assistance.

### **Hypatia of Alexandria**

Alton Locke is the story of a young tailor-boy who has instincts and aspirations beyond the normal expectations of his working-class background. He is intensely patriotic and has ambitions to be a poet. In the course of the narrative, Alton Locke loves and struggles in vain. Physically, he is a weak man, but is able to encompass all the best emotions, along with vain longings, wild hopes, and a righteous indignation at the plight of his contemporaries. He joins the Chartist movement because he can find no better vehicle by which to improve the lot of the working class, experiencing a sense of devastation at its apparent failure. Utterly broken in spirit, Alton Locke sails for America to seek a new life there; however, he barely reaches the shore of the New World before he dies.

### **Treatise on Conic Sections**

Ki Longfellow, author of the acclaimed *The Secret Magdalene*, has now written the astonishing life of Hypatia, famed throughout the Mediterranean world, a beauty and a genius, yet for 17 centuries ignored by history. As the Roman Empire fights for its life and emerging Christianity fights for our souls, Hypatia is the last great voice of reason. A woman of sublime intelligence, Hypatia ranks above not only all women, but all men. Hypatia dazzled the world with her brilliance, was courted by men of every persuasion and was considered the leading philosopher and mathematician of her age yet her mathematics, her inventions, the very story of her life in all its epic and dramatic intensity, has gone untold. A heart-breaking love story, an heroic struggle against intolerance, a tragedy and a triumph, Hypatia walks through these pages fully realized while all around her Egypt's Alexandria, the New York City of its day, strives to remain a beacon of light in a darkening world.

### **Selene of Alexandria**

Hypatia—brilliant mathematician, eloquent Neoplatonist, and a woman renowned for her beauty—was brutally murdered by a mob of Christians in Alexandria in 415. She has been a legend ever since. In this engrossing book, Maria Dzielska searches behind the legend to bring us the real story of Hypatia's life and death, and new insight into her colorful world. Historians and poets, Victorian novelists and contemporary feminists have seen Hypatia as a symbol—of the waning of classical culture and freedom of inquiry, of the rise of fanatical Christianity, or of sexual freedom. Dzielska shows us why versions of Hypatia's legend have served her champions' purposes, and how they have distorted the true story. She takes us back to the Alexandria of Hypatia's day, with its Library and Museion, pagan cults and the pontificate of Saint Cyril, thriving Jewish community and vibrant Greek culture, and circles of philosophers, mathematicians, astronomers, and militant Christians. Drawing on the letters of Hypatia's most prominent pupil, Synesius of Cyrene, Dzielska constructs a compelling picture of the young philosopher's disciples and her teaching. Finally she plumbs her sources for the facts surrounding Hypatia's cruel death, clarifying what the murder tells us about the tensions of this tumultuous era.

### **Hypatia's Heritage**

### **Textual Studies in Ancient and Medieval Geometry**

This scarce antiquarian book is a facsimile reprint of the original. Due to its age, it may contain imperfections such as marks, notations, marginalia and flawed pages. Because we believe this work is culturally important, we have made it available as part of our commitment for protecting, preserving, and promoting the world's literature in affordable, high quality, modern editions that are true to the original work.

## **Ptolemy's Almagest**

Ptolemy's Almagest is one of the most influential scientific works in history. A masterpiece of technical exposition, it was the basic textbook of astronomy for more than a thousand years, and still is the main source for our knowledge of ancient astronomy. This translation, based on the standard Greek text of Heiberg, makes the work accessible to English readers in an intelligible and reliable form. It contains numerous corrections derived from medieval Arabic translations and extensive footnotes that take account of the great progress in understanding the work made in this century, due to the discovery of Babylonian records and other researches. It is designed to stand by itself as an interpretation of the original, but it will also be useful as an aid to reading the Greek text.

## **Hypatia of Alexandria**

As the western world fell into darkness, she dared defend the light. Born in 355 CE in the aftermath of Constantine's reign, Hypatia of Alexandria lived in a collapsing Roman Empire, a world where obedience to religious authorities trumped science, where reason and logic threatened the new world order. It was a world on the edge of the Dark Ages, a world deciding the question of science versus religion, freedom versus orthodoxy, tolerance versus hate. For over 40 years Hypatia stood between the dark ages and the light of classical philosophy, arts, and sciences. Though none of her books survived the aggressive book burnings of religious zealots, her legacy remains that of one of the greatest scientists of all time. Student - Teacher Edition features challenging puzzles and study guide questions after every chapter, Plus a detailed timeline, and an extensive suggested reading list.

## **Rejected Princesses**

Where are the women philosophers? The answer is right here. The history of philosophy has not done women justice: you've probably heard the names Plato, Kant, Nietzsche and Locke - but what about Hypatia, Arendt, Oluwole and Young? The Philosopher Queens is a long-awaited book about the lives and works of women in philosophy by women in philosophy. This collection brings to centre stage twenty prominent women whose ideas have had a profound - but for the most part uncredited - impact on the world. You'll learn about Ban Zhao, the first woman historian in ancient Chinese history; Angela Davis, perhaps the most iconic symbol of the American Black Power Movement; Azizah Y. al-Hibri, known for examining the intersection of Islamic law and gender equality; and many more. For anyone who has wondered where the women philosophers are, or anyone curious about the history of ideas - it's time to meet the philosopher queens.

## **Alexandria 2**

In the late fourth and early fifth centuries of our era, Hypatia of Alexandria was the world's greatest living mathematician and astronomer. A strikingly beautiful woman and a devoted celibate, she lived in a city as turbulent and troubled as Baghdad or Beirut is today. She achieved fame not only in her special field, but also as a philosopher, religious thinker, and teacher who attracted a large popular following. Her life ended tragically in violence at the hands of a rampaging mob of Christian fanatics, who killed her for her "pagan" beliefs, some say at the instigation of St. Cyril of Alexandria. This is the first biography of Hypatia to integrate all aspects of her life. Mathematician Michael Deakin emphasizes that, though she was a philosopher, she was first and foremost a mathematician and astronomer of great accomplishment. In a fascinating narrative that brings to life a richly diverse ancient society, he describes her work so that the mathematics, presented in straightforward terms, finds its true place in the context of her life as a whole. Deakin supplies full detail on the historical, intellectual, and religious context of Hypatia's times. He also analyzes the pattern of her life and thought, and finally gives an account of the events leading up to her lynch-mob execution. Although this outrageous crime has made Hypatia a powerful symbol of intellectual freedom and feminist aspiration to this day, Deakin makes clear that the important intellectual contributions of her life's work should not be overshadowed by her tragic death.

### **Flow Down Like Silver**

Journal of cosmology, philosophy, myth, and culture.

### **The Name of the Number**

From the reviews: "This monumental work will henceforth be the standard interpretation of ancient mathematical astronomy. It is easy to point out its many virtues: comprehensiveness and common sense are two of the most important. Neugebauer has studied profoundly every relevant text in Akkadian, Egyptian, Greek, and Latin, no matter how fragmentary; [] With the combination of mathematical rigor and a sober sense of the true nature of the evidence, he has penetrated the astronomical and the historical significance of his material. [] His work has been and will remain the most admired model for those working with mathematical and astronomical texts. D. Pingree in *Bibliotheca Orientalis*, 1977 " a work that is a landmark, not only for the history of science, but for the history of scholarship. HAMA [History of Ancient Mathematical Astronomy] places the history of ancient Astronomy on a entirely new foundation. We shall not soon see its equal. N.M. Swerdlow in *Historia Mathematica*, 1979

### **Alton Locke, Tailor and Poet**

Taking inspiration from Siv Cedering's poem in the form of a fictional letter from Caroline Herschel that refers to "my long,

lost sisters, forgotten in the books that record our science”, this book tells the lives of twenty-five female scientists, with specific attention to astronomers and mathematicians. Each of the presented biographies is organized as a kind of "personal file" which sets the biographee’s life in its historical context, documents her main works, highlights some curious facts, and records citations about her. The selected figures are among the most representative of this neglected world, including such luminaries as Hypatia of Alexandria, Hildegard of Bingen, Elisabetha Hevelius, and Maria Gaetana Agnesi. They span a period of about 4000 years, from En HeduAnna, the Akkadian princess, who was one of the first recognized female astronomers, to the dawn of the era of modern astronomy with Caroline Herschel and Mary Somerville. The book will be of interest to all who wish to learn more about the women from antiquity to the nineteenth century who played such key roles in the history of astronomy and science despite living and working in largely male-dominated worlds.

### **Seduced by Logic**

Over the last millennium and a half, the very name of Hypatia of Alexandria has become synonymous with elements such as inspiration, martyrdom, and, above all, heroism, which eventually led to the transformation of her memory into what is likely one of the first, if not the main symbol of Feminism today. However, the historical context the daughter of Theon lived in, he who was the last Director of the Neoplatonic School, has a great deal more to it than the eye can see, for this was a time of turmoil and constant rioting in an urban center that had once been the capital of knowledge of the West, witness to rival forces whose beliefs, either religious or political, had to forcibly take full control of the formerly prosperous city by any means necessary, including genocidal persecution and massacre. The fact extermination continues to be used as a way of discouraging democratic opposition still today only shows us how little we have learned from the multiple victims who sacrificed their lives across the history of Humanity, which ultimately begs questions such as these: have Hypatia and other human beings died in vain? Was it ever legitimate to kill another whenever discord rose in the horizon? And what of holding on to power with the purpose of ruling a handful of equals as if they were of a lesser sort, perhaps alleging divine incumbency for doing so? It does not take a crowning, an election, a coup, or even the will to become a popular leader capable of bringing everyone together. Hypatia was but one of many whose arguments were much too logical to be refuted, and that is what rattles tyrants the most. Their only solution? Silencing, but merely temporary, for no one can smother a powerful legacy forever.

### **Math Equals**

A RECOMMENDED BOOK FROM: Los Angeles Times \* USA Today \* O, the Oprah Magazine \* BuzzFeed \* The Rumpus \* Entertainment Weekly \* Elle \* BBC \* Christian Science Monitor \* Electric Literature \* The Millions \* LitHub \* Publishers Weekly \* Kirkus \* Refinery29 \* Thrillist \* BookBub \* Nylon \* Bustle \* Goodreads An exhilarating, moving novel about a

trailblazing mathematician whose research unearths her own extraordinary family story and its roots in World War II. From the days of her childhood in the 1950s Midwest, Katherine knows she is different, and that her parents are not who they seem. As she matures from a girl of rare intelligence into an exceptional mathematician, traveling to Europe to further her studies, she must face the most human of problems—who is she? What is the cost of love, and what is the cost of ambition? These questions grow ever more entangled as Katherine strives to take her place in the world of higher mathematics and becomes involved with a brilliant and charismatic professor. When she embarks on a quest to conquer the Riemann hypothesis, the greatest unsolved mathematical problem of her time, she turns to a theorem with a mysterious history that may hold both the lock and the key to her identity, and to secrets long buried during World War II. Forced to confront some of the most consequential events of the twentieth century and rethink everything she knows of herself, she finds kinship in the stories of the women who came before her, and discovers how seemingly distant stories, lives, and ideas are inextricably linked to her own. *The Tenth Muse* is a gorgeous, sweeping tale about legacy, identity, and the beautiful ways the mind can make us free.

### **Defending Hypatia**

Did Hypatia have the power to bring down the Christian Church? A corrupt Fifth Century Bishop thought so and ordered her savage bone chilling death. Later, he was made a saint.

### **A History of Ancient Mathematical Astronomy**

Sixteen hundred years after her death (d. 415 CE), the legacy of Hypatia of Alexandria's life, teaching, and especially her violent demise, continue to influence modern culture. Through a series of focused articles, this volume takes a fresh look at the most well-known ancient female philosopher under three aspects: first, through the evidence provided by her most famous pupil, Synesius of Cyrene; next, by placing her in her late antique cultural context, and, finally, through analysis of her reception both ancient and modern. Though the sources are meager, Hypatia's influence on her students and wider culture guaranteed that she remained an important figure throughout the centuries, albeit one ranging from chaste Neoplatonist to conniving witch. Along with its eleven new essays, this volume also includes a new translation of all the principal ancient sources touching on Hypatia.

### **The Engines of Our Ingenuity**

Deakin's notes are full of useful information, and his book is both comprehensive and captivating. - ISIS In the late fourth and early fifth centuries of our era, Hypatia of Alexandria was the world's greatest living mathematician and astronomer. A

strikingly beautiful woman and a devoted celibate, she lived in a city as turbulent and troubled as Baghdad or Beirut is today. She achieved fame not only in her special field, but also as a philosopher, religious thinker, and teacher who attracted a large popular following. Her life ended tragically in violence at the hands of a rampaging mob of Christian fanatics, who killed her for her pagan beliefs, some say at the instigation of St. Cyril of Alexandria. This is the first biography of Hypatia to integrate all aspects of her life. Mathematician Michael Deakin emphasizes that, though she was a philosopher, she was first and foremost a mathematician and astronomer of great accomplishment. In a fascinating narrative that brings to life a richly diverse ancient society, he describes her work so that the mathematics, presented in straightforward terms, finds its true place in the context of her life as a whole. Deakin supplies full detail on the historical, intellectual, and religious context of Hypatia's times. He also analyzes the pattern of her life and thought, and finally gives an account of the events leading up to her lynch-mob execution. Although this outrageous crime has made Hypatia a powerful symbol of intellectual freedom and feminist aspiration to this day, Deakin makes clear that the important intellectual contributions of her life's work should not be overshadowed by her tragic death. Michael A. B. Deakin (Melbourne, Victoria, Australia) is an honorary research fellow and formerly a senior lecturer in the School of Mathematical Sciences of Monash University.

### **Hypatia**

This volume contains research and expository papers by African-American mathematicians on issues related to their involvement in the mathematical sciences. Little is known, taught, or written about African-American mathematicians. Information is lacking on their past and present contributions and on the qualitative and quantitative nature of their existence in and distribution throughout mathematics. This lack of information leads to a number of questions that have to date remained unanswered. This volume provides details and pointers to help answer some of these questions. Features: Research articles by distinguished African-American mathematicians. Accomplishments of African-American researchers in the mathematical sciences. Articles that explore issues important to the African-American community and to the mathematics community as a whole. Inspiration for African-American students who wish to pursue advancement in the mathematical sciences.

### **Hypatia**

This comparative religion book contains a startling perspective of the extraordinary history of the Egyptian religion and its profound influence upon the later Christian faith. The text demonstrates that the popular god Horus and Jesus possessed many characteristics and attributes in common.

## **Hypatia of Alexandria**

In A.D. 412 Alexandria, a city torn by religious and political strife, Selene struggles to achieve her dream of becoming a physician. The famed Lady Philosopher Hypatia and Prefect Orestes offer their patronage and protection. Will it be enough to save Selene from riots, the machinations of a charismatic bishop or her own impulsive nature?

## **A History of Greek Mathematics**

## **Hypatia of Alexandria**

### **Hypatia**

On a November night in Egypt, 414 A.D., one of history's most brilliant individuals was assassinated. Her name was Hypatia, teacher and scientist at the fabled Great Library of Alexandria and the last glimmer of hope before the Dark Ages. The Roman Empire is crumbling, the fragments of the classical world regrouping in Egypt when Thasos, son of an ill-fated scholar, meets Hypatia of Alexandria. Astronomer, mathematician, and philosopher at a time when women were shunned from learning, Hypatia is a daring visionary in a world about to change forever. As an insidious power-struggle erupts between church and state Hypatia finds herself at the forefront of battle, but she is not alone. Those who cherish her, who will remember her, become her allies - including the powerful Governor Orestes, who keeps his consuming love for her as secret as she keeps her feelings for him. Lady Philosopher: The Story of Hypatia is a vivid retelling of a now-forgotten historical tragedy, when courage stood against fear, when the legacy of the wise vanished in the dark. Author Brian Trent resurrects the ancient world's most famous metropolis and explores the final days, not just of a brilliant mind, but of a lost era. BASED ON THE TRUE STORY

### **Hypatia**

Looks at the history and anthropology of the expression of numbers throughout the ages and across different cultures. It deals with the different ways that number representation has been structured, the history and prehistory of number concepts, and the evolution of numerical representation (in word and symbol). These themes are explored through the various expressions of number-concepts in different cultures in different places and times.

## **Holy Murder**

Explores the life of Hypatia, one of the first women mathematicians.

## **The Unforgotten Sisters**

Blending the iconoclastic feminism of The Notorious RBG and the confident irreverence of Go the F\*\*ck to Sleep, a brazen and empowering illustrated collection that celebrates inspirational badass women throughout history, based on the popular Tumblr blog. Well-behaved women seldom make history. Good thing these women are far from well behaved . . . Illustrated in a contemporary animation style, Rejected Princesses turns the ubiquitous "pretty pink princess" stereotype portrayed in movies, and on endless toys, books, and tutus on its head, paying homage instead to an awesome collection of strong, fierce, and yes, sometimes weird, women: warrior queens, soldiers, villains, spies, revolutionaries, and more who refused to behave and meekly accept their place. An entertaining mix of biography, imagery, and humor written in a fresh, young, and riotous voice, this thoroughly researched exploration salutes these awesome women drawn from both historical and fantastical realms, including real life, literature, mythology, and folklore. Each profile features an eye-catching image of both heroic and villainous women in command from across history and around the world, from a princess-cum-pirate in fifth century Denmark, to a rebel preacher in 1630s Boston, to a bloodthirsty Hungarian countess, and a former prostitute who commanded a fleet of more than 70,000 men on China's seas.

## **Hypatia**

Who was Hypatia, Lady Philosopher of Alexandria? A brilliant young mathematician and scientist, murdered by a religious mob? An aging academic assassinated by a rival political party? A sorceress who kept the governor and people of Alexandria in thrall through satanic wiles? Did she discover that the earth circled the sun a thousand years before Copernicus or was she merely a gifted geometry teacher? Hypatia is the subject of much myth-making through the centuries. She's featured in poetry, plays, novels and movies. This collection of essays pulls back the curtain and lets the reader see the real woman behind the stories. You'll find Hypatia needs no embellishment to be a heroine.

## **Hypatia**

Examines the lives and scholarly endeavors of women who have profoundly affected mathematical thought since antiquity

## **African Americans in Mathematics**

For textual studies relating to the ancient mathematical corpus the efforts by the Danish philologist, I. L. Heiberg (1854-1928), are especially significant. Beginning with his doctoral dissertation, *Quaestiones Archimedeae* (Copenhagen, 1879), Heiberg produced an astonishing series of editions and critical studies that remain the foundation of scholarship on Greek mathematical science. For comprehensiveness and accuracy, his editions are exemplary. In his textual studies, as also in the prolegomena to his editions, he carefully described the extant evidence, organized the manuscripts into stemmata, and drew out the implications for the state of the text. With regard to his Archimedean work, Heiberg sometimes betrayed signs of the philologist's occupational disease - the tendency to rewrite a text deemed on subjective grounds to be unworthy. But he did so less often than his prominent contemporaries, and not as to detract appreciably from the value of his editions. In examining textual questions bearing on the Archimedean corpus, he attempted to exploit as much as possible evidence from the ancient commentators, and in some instances from the medieval translations. It is here that opportunities abound for new work, extending, and in some instances superseding, Heiberg's findings. For at his time the availability of the medieval materials was limited. In recent years Marshall Clagett has completed a mammoth critical edition of the medieval Latin tradition of Archimedes,<sup>8</sup> while the bibliographical instruments for the Arabic tradition are in good order thanks to the work of Fuat Sezgin.

### **Wandering Poets and Other Essays on Late Greek Literature and Philosophy**

Provides an account of nine women mathematicians, their lives and their work, with mathematics activities which relate to the work of each.

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