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**Women Who Count: Honoring African American Women Mathematicians**
By Shelly M. Jones
Illustrated by Veronica Martins

*Women Who Count* is a mathematical activity book for children interspersed with short biographies of 28 African American women mathematicians from the late 1800s to the present. The first three are about the first three African American women to earn a mathematics PhD in the United States. They are Martha Euphemia Lofton Haynes (Catholic University of America, PhD 1943), Evelyn Boyd Granville (Yale University, PhD 1949), and Marjorie Lee Browne (University of Michigan, PhD 1950). These three women mentored and influenced many of the mathematicians featured in the next chapter, who in turn were active in outreach and education, and took on leadership roles in their departments (some of which were newly desegregated at the time). A chapter of the book is devoted to four mathematicians who contributed to the space race of the 1950s and 60s, recently made famous by Margot Lee Shetterly’s popular book *Hidden Figures*. The final chapter relates stories of contemporary mathematicians at or near the beginnings of their careers.

Jones is an energetic advocate for exposing African American children to exemplary mathematical role models whom they can relate to and be inspired by. She has given a TEDx talk on *Culturally Relevant Pedagogy in Mathematics: A Critical Need*, and has presented at teachers conferences and professional development workshops around the country. She is a contributing author for *The Brilliance of Black Children in Mathematics: Beyond the Numbers and Toward New Discourse*.

As this book is geared toward young children, the puzzles are simple—such as coloring pages, word searches, magic squares, and simple codes—and the biographies are brief and upbeat, but there is more to this book than a way to keep children occupied. By juxtaposing activities with stories of real people, the book succeeds in building a positive and inspiring narrative of human achievement and possibilities.

**100 Years of Math Milestones: The Pi Mu Epsilon Centennial Collection**
By Stephan Ramon Garcia and Steven J. Miller

This hefty book brings together a collection of 100 problems in celebration of the 100th anniversary of the math honor society Pi Mu Epsilon in 2012. The problems were originally published in four different issues in the Pi Mu Epsilon journal, and then later collected together to form the chapters of this book, one for each year between 1912 and 2012. Each chapter opens with a mathematical event or idea loosely related to the year, followed by the statement of the problem, and a discussion of the surrounding mathematics.

The chapters are wide-ranging and varied both in topic and in level of sophistication. Some chapters center on famous mathematical figures, like Paul Erdős, Georg Cantor, Alan Turing, Julia Robinson, and Martin Gardner, while others focus on seminal math problems (some solved, some still open) like the Riemann hypothesis, Fermat’s Last Theorem, the Poincaré conjecture, and the Langlands program. There are also chapters that discuss well-known puzzles like the Rubik’s cube; centers for mathematical outreach like AIM and the National Museum of Mathematics; and tech age phenomena like RSA encryption, TeX, Mathematica, and arXiv.

In short, this book is a collection of engagingly written snapshots of 100 topics that will perk up the ears of undergraduate math majors and graduate students eager to familiarize themselves with the world of mathematics.