



Ruth Gonzalez (b. mid 1950s)

Born in Texas to Mexican parents, Ruth Gonzalez worked 20–40 hours per week to put herself through college at the University of Texas-Austin. She earned her PhD in applied mathematics from Rice University in 1986 and is the first US-born Hispanic woman to earn a doctorate in mathematics. Gonzalez is an expert in seismic imaging methods. While working at Exxon, she developed mathematical algorithms that produce geological images of underground oil and gas

reservoirs. Gonzalez was instrumental in persuading Exxon to fund community and minority-focused outreach and continues to encourage young women to pursue education in STEM fields.

This poster is part of the EvenQuads project, which combines innovative mathematical card games with learning about amazing women mathematicians. The project celebrates the 50th anniversary of the Association for Women in Mathematics.

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