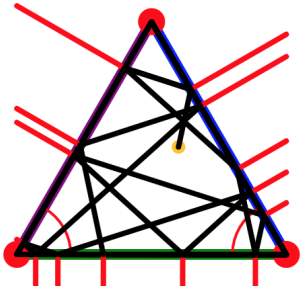


Lesson Plan | Maryam Mirzakhani

Agenda	Action
Do Now	Students will discuss what they already know about Mariam, as the first woman to win the Nobel Prize of Mathematics, the Fields Medal.
Read Aloud	The class will take turns reading the paragraphs summarizing Maryam's life on the website out loud.
Watch Video	Instructor will play video on Maryam Mirzakhani for class and answer any questions afterward.
Presentation	The instructor will briefly present slides discussing the life and contributions of Maryam Mirzakhani to the moduli space of riemannian surfaces.
Interactive	<p>Students will engage with an interactive triangular billiard table on the website. Maryam made many contributions to the study of mathematical billiards, and this interactive seeks to highlight or at least clarify her field of study and her contributions. Students will observe that the dynamical system is naturally ergodic, but occasionally, some initial conditions will result in periodic paths.</p> 
Discussion	Students will discuss the life and contributions of Maryam Mirzakhani.