

Diversity in Mathematics Practice Quiz

1. Which of the following statements about Argelia Vélez-Rodríguez is true? (Select all that apply)
 - a. She was the first Black woman to receive a doctorate in mathematics in Cuba
 - b. She taught at the Marianao Institute
 - c. She became an appointed chair of the Department of Mathematical Science in Bishop College
 - d. None of the above

2. In which city did Argelia Vélez-Rodríguez become manager of the Minority Institutions Science Programme?
 - a. New York
 - b. Houston
 - c. Washington DC
 - d. Chicago

3. What of these is Kathleen Ollerenshaw associated with?
 - a. Rubik's Cube
 - b. Factor Theorem
 - c. Binomial Theorem
 - d. Euclidean Algorithm

4. Which organisation did Kathleen Ollerenshaw play a crucial role in the formation of?
 - a. London Mathematical Society
 - b. Royal Northern College of Music
 - c. Royal Statistical Society
 - d. Institute of Mathematics and its Applications

5. What is Noether's theorem about?
 - a. Developing Subliminal Learning
 - b. Linking symmetries to conservation laws
 - c. Linking differential equations to study astronomical orbits
 - d. None of the above

6. Nalini Joshi became the first woman in Australia who
 - a. continued a PhD in Mathematics focusing non-linear differential equations
 - b. was appointed as a Professor of Mathematics at the University of Sydney

- c. become the president of Australian Mathematics Society
 - d. joined the Australian Mathematics Trust
7. In recognition of her significant service to mathematics education, research, and gender equity in STEM disciplines, Nalini Joshi was appointed a member of the 'Order of Australia' in
- a. 2007
 - b. 2010
 - c. 2016
 - d. 2020
8. Who was the first female mathematics professor in the world?
- a. Nalini Joshi
 - b. Sofia Kovalevskaya
 - c. Emmy Noether
 - d. Kathleen Ollerenshaw
9. What of these was Taqi ad-Din known for being?
- a. A mathematician
 - b. An astronomer
 - c. A polymath
 - d. An engineer
10. Which invention by Taqi ad-Din was an early version of the steam turbine?
- a. Self-rotating spit
 - b. Water pump
 - c. Condenser
 - d. The Aeolipile