

Verified Certificate



A handwritten signature in black ink, appearing to read "David Jerison".

David Jerison

Professor of Mathematics

Massachusetts Institute of Technology

A handwritten signature in black ink, appearing to read "Gigliola Staffilani".

Gigliola Staffilani

Abby Rockefeller Mauze Professor of Mathematics

Massachusetts Institute of Technology

A handwritten signature in black ink, appearing to read "Krishna Rajagopal".

Krishna Rajagopal

Dean for Digital Learning

Massachusetts Institute of Technology

This is to certify that

Juan Ángel Ramírez

successfully completed and received a passing grade in

**18.01.3x: Calculus 1C: Coordinate Systems &
Infinite Series**

a course of study offered by MITx, an online learning
initiative of the Massachusetts Institute of Technology.



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Issued May 7, 2021

Valid Certificate ID

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