HONOR CODE CERTIFICATE

Anne Pilkington
Associate Professor of Teaching
Department of Mathematics
University of Notre Dame

Michael Hildreth
Professor
Department of Physics
University of Notre Dame

KARIM AHMED MOHAMED HASSAN ELRAMMAL

successfully completed and received a passing grade in

MAT150x: Math in Sports

a course of study offered by NotreDameX, an online learning initiative of University of Notre Dame through edX.

HONOR CODE CERTIFICATE
Issued August 18, 2015

Verify the authenticity of this certificate at
https://verify.edx.org/cert/587b7ad6988f42df95da4ce3a87d25c7