

Quiz 1 for PHYS 4210/5210, 21st September 2026

First

Last

Student Name:

1. Write an expression for the cross product in Cartesian components.
2. Define an inertial frame of reference.
3. Write Newton's second law in cylindrical polar coordinates.
4. Write the most general equation defining the acceleration in cylindrical polar coordinates.
5. Write Newton's third law?