

CISC1003 – Explore Robotics – HW 1

Submit your write-up as a pdf document on blackboard. Include your full name at the writeup.

Name the writeup as x-assignment1.pdf, where x is your first and last name.

How does **Ackermann Steering** improve on the **Tricycle Drive**?

What are some advantages to a **4 Omni Wheel** designed robot?

What advantage does a **Tracked Robot** have over a wheeled robot?

If you were going to build a robot to be used on a rocky terrain, which type of movement would you want to use and explain why.

If you were going to build a robot to be a car, which type of movement would you want to use and explain why.