

Objective:

Primary: For an autonomous robot to travel from area A to area B and back
 Secondary: To accomplish the primary objective in the least amount of time.

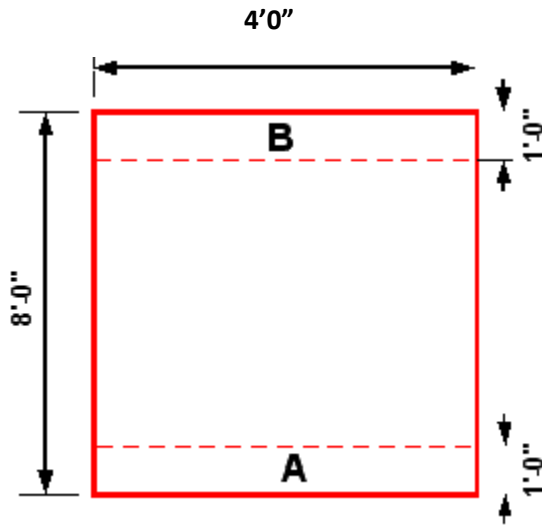
Skills tested:

Point to point navigation - Goal seeking

Time to complete course:

5 minutes or 3 attempts. You must restart if robot crosses sidelines.

Courses:



Details:

The robot must begin in area A travel to area B and then return to area A. The robot may start anywhere in area A facing in any direction.

There will be solid black lines for the border and solid white lines separating areas A and B from the main part of the arena. These lines are used for judging when the robot has entered an area by crossing completely over the line. The robot typically uses these lines for orientation and to identify when it has entered an area.

Scoring:

Accomplishments	Points
Shortest time to complete course: 1st	40
2nd	20
3rd	10
Starts on command	0-5
Reaches area B	10
Returns to area A	10
Stops in area A upon return	10
Not touching any walls	15
Navigational skill	0-10
Entertainment value	0-10
Craftsmanship value	0-10