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| Reason for Test Case: | Test Date: | Expected Output: | Observed Output | Staff Name | Pass/fail: |
| 1-to-1 Pseudocode Test | Oct 27, 2022 | Robot will circumnavigate the square of blue tape | Robot did not turn properly. Moved in a straight line until program termination. | Sean Fritz | Fail |
| Line one test | Oct 27, 2022 | Robot will move across the first line | Robot will traverse the line in the correct direction 1 in every 4 times the program is ran. It seems to be offset +x degrees; with x being the value of “roll” in the program block.  Additionally, the robot is somehow offset by about 3-5 degrees. | Sean Fritz | Fail |
| Line one test (Attempt two) | Oct 27, 2022 | Robot will move across the first line. | Robot did move in the correct direct at a sufficient length. However, the robot’s movement is offset by about 3-5 degrees to the left, causing it to move off the line.  This is very likely a bug regarding the robots gyroscope. Further testing is required for a definitive cause. | Sean Fritz | Fail |
| Line one test (Attempt 3) | Nov 1, 2022 | Robot will move across the first line. | Robot moved perfect on the line, the length inputted was too long and it hit the wall. | Anthony Tucci | Fail |
| Line one test (Attempt 4) | Nov 1, 2022 | Robot will move across the first line. | Robot traveled on the line, straight, yet when reducing the time we cut it in half not allowing it to complete the path we needed. We continued and watched it take its turns and on the first turn it stopped about 2 seconds short of what was needed | Anthony Tucci | Fail |
| Line one test (Attempt 5) | Nov 1, 2022 | Robot will move across the first line. | Robot was off centered on the line, making the times hard to calculate, about 1 second over the first line and 3 seconds over the second. Since it stopped short some objects were in the way as well preventing us from gathering data. | Anthony Tucci | Fail |
| Line one test (Attempt 6) | Nov 1, 2022 | Robot will move across the first line. | Robot traveled on its path perfectly and has reached to the endpoint of the first line spot on. When reaching the second the spin of the robot made it of course so that needed an update. | Anthony Tucci | Fail |
| Line one test (Attempt 7) | Nov 1, 2022 | Robot will move across the first line. | Robot was same on the first line, it worked, traveling to the second line improvements were made and we were able to find out how many seconds were totally needed.  For the third and fourth line we will copy the previous codes because of the same measurements. | Anthony Tucci | Fail |
| Line one test (Attempt 8) | Nov 1, 2022 | Robot will move across the first line. | Robot moved on the line fine and hit every endpoint needed on the dot. | Anthony Tucci | Pass |