

CSCI 445 — TASK-SHEET FOR LABS 6 & 7

Name: _____

Question:	1	2	3	Total
Points:	10	170	20	200
Score:				

NOTE: The points roughly reflect our estimate on how long each task should take.

1. (10 points) **Prelab:**

- (a) Describe your logic for the line following controller.

(b) Controller Architecture

- Current state and how to estimate it:

- Goal state:

- Function for right wheel:

- Function for left wheel:

2. Implementation

- (a) (50 points) Line Following [TA Signoff]

List controllers and gains/clamping ranges used:

- (b) (120 points) Line Following With Obstacle Avoidance

Describe the algorithm you used in words or pseudocode:

Gains and clamping ranges used:

3. Competition

(a) (5 points) Line Following

Gains and clamping ranges used:

(b) (15 points) Line Following With Obstacle Avoidance

Gains and clamping ranges used:
