Quiz: Faster Line Tracking

Introduction to Mobile Robotics > Faster Line Tracking Exploration

1. Which of the following factors contributes to the failure of the fast line-tracking program with the default front-mounted Light Sensor? Circle all that apply.

a. The distance from the driving wheels to the Light Sensor

b. The distance from the front swivel wheel to the Light Sensor

c. The robot's "reaction time" to seeing light or dark

d. The height of the Light Sensor above the table surface

e. The thickness of the line

f. The color of the line

g. The length of the line

2. You solved the problem by moving the Light Sensor to the back of the robot and tracking in reverse. Which (one or more) of the factors from the list in Question 1 did this affect, and why did it solve the problem?

NAME		DATE	