CS 3651 Skill Demo #5 Light Sensors

Student Name:

Student GTID:

Follow pages 169-219 in the BoeBot book

**Task 1: Light Sound**
Install at least one of your phototransistors, along with the appropriate capacitor and resistors so that you can detect how much light is hitting the phototransistor. Program your speaker so that it emits a different frequency according to the intensity of the light.

Behavior is correct _____

TA/Instructor initials____________ date______________

**Task 2: Face the light**
Program your robot to:

1. Detect the amount of light hitting each phototransistor.
2. Turn to directly face the light.

Your robot should track the light if we move it around – for instance if we're pointing a flashlight at it and move the flashlight around.

Behavior is correct _____

TA/Instructor initials____________ date______________