

Mission 8 Assignment	Name:
Pre-Mission Preparation	
In the last mission the CodeBot used line sensors to detect reflected light. What do you remember about line sensors?	
Mission 8 Checks	
<p>Objective #1 A less reflective surface, like a black line, results in _____ values, while a more reflective surface, like a white floor, results in _____ values.</p> <p>How can you clear the console window? Check the hints!</p>	
<p>Objective #2 What is your average value for the surface?</p> <p>What is your average value for the black line?</p> <p>What value did you select for the threshold?</p>	
<p>Objective #3 After adding the brake function, try different speeds. What is your top speed for staying on the board?</p> <p>What is the editor shortcut for commenting out a line of code? (Check the hints)</p>	
<p>Objective #4 This objective uses a default parameter. Arguments can be passed as keyword or positional. Look in the toolbox for the difference between the two.</p>	<p>Keyword argument:</p> <p>Positional argument:</p>
<p>Objective #5 What does this code do: <code>sensors = []</code></p> <p>What does this code do: <code>sensors.append(is_line)</code></p> <p>What is returned at the end of the new function?</p>	

<p>Objective #6 What is used to turn on the line sensor LEDs?</p> <p>What does the built-in function any() do?</p>	
Post-Mission Reflection	
<p>What is something you learned about yourself during this mission?</p>	
<p>This mission will use sensors to keep the CodeBot inside the lines. We participate in many activities that require us to stay in a well-defined area. Sports, for example. List some activities that or real-world applications that have boundaries:</p>	