

Mission 12 Assignment	Name:
Pre-Mission Preparation	
While programming the missions, you have encountered mistakes, errors, and bugs. What are some strategies you use to fix problems and not get frustrated?	
Mission 12 Checks	
Objective #1 What does an accelerometer measure?	
What are the possible values it can return?	
How many values does it return?	
Objective #2 What are the principal axes used for navigation?	X = Y = Z =
To convert data to an angle, what module do you need to import, and what function will you use from it?	
Objective #3 In the code, what constants are used instead of BTN-0 and BTN-1.	
How did you find driving the CodeBot with two buttons? Was it easy or hard?	
Objective #4 How do you visually represent the pitch data?	
Give an example of a cascaded assignment:	
Objective #5 When is an escape sequence used?	
What is the escape sequence for “degrees”?	
Objective #6 What changes to the get_pitch() function did you make to also get the roll?	

<p>Objective #7 What changes to the drive_bot() function did you make so the CodeBot is autonomous?</p>	
<p>Objective #8 Describe the crash algorithm:</p>	
Post-Mission Reflection	
<p>Many electronic devices have an accelerometer, like your cell phone. Name another device that might have an accelerometer, and how does it use the data?</p>	
<p>How did you exhibit a growth mindset during this mission?</p>	