

Name: \_\_\_\_\_



# FIRIA LABS MISSION 11 LOG

## Pre-Mission Preparation

Your cell phone can detect if it is level or tilted. What other devices use some kind of sensor to determine their orientation? \_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

## Mission Activity: Objective #1

An accelerometer is a sensor chip that lets CodeX detect: \_\_\_\_\_,  
\_\_\_\_\_ and \_\_\_\_\_

\_\_\_\_\_

What are the three axes for orientation? \_\_\_\_\_

## Mission Activity: Objective #2

What does the data from the accelerometer look like: \_\_\_\_\_

What is this type of data called? \_\_\_\_\_

What is the code for getting the x value of the accelerometer?

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**Mission Activity: Objective #3**

What module do you need to import to do the trig calculations?

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**Mission Activity: Objective #6**

How do you keep the program from drawing multiple orange balls?

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**Post-Mission Reflection**

What are some ways you can use this program: \_\_\_\_\_

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What is one way you can extend this program, or make it do more than

measure the x tilt? \_\_\_\_\_

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