Name: 

**MISSION 11 LOG**

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| **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? |  |
| **Mission Objective #1** | |
| *Use the toolbox to answer this question:* An accelerometer is a sensor chip that lets CodeX detect \_\_a\_\_\_, \_\_\_b\_\_, and \_\_\_\_\_\_\_c\_\_\_\_\_\_\_ |  |
| What are the three axes for orientation? |  |
| **Mission 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? |  |
| **Mission Objective #3** | |
| What module do you need to import to do the trig calculations? |  |
| **Mission Objective #6** | |
| How do you keep the program from drawing multiple orange balls? |  |
| **Post-Mission Reflection** | |
| What are some ways you can use this program? |  |
| What is one way you can extend this program, or make it do more than measure x tilt? |  |