**AMATYC 2011 Graph Activity**

**Directions:** In your group, spend some time studying each graph. Take special note of the unit on each axis. To the right of each graph, write a brief description of how you would need to walk in front of the motion sensor to produce each graph. You should use words such as: faster, slower, constant, forward, backward. Also consider comparing to other graphs. Each group member should be prepared to walk in front of the class to produce any of the given graphs.

**Graph 1**

Distance in feet

Time in Seconds

Time in Seconds

Time in Seconds

**Graph 2**

Distance in feet

**Graph 3**

Distance in feet

**Graph 4**

Distance in feet

Time in Seconds

Time in Seconds

Time in Seconds

**Graph 5**

Distance in feet

**Graph 6**

Distance in feet

**Graph 7**

Velocity in feet/sec

Time in Seconds

**Graph 8**

Velocity in feet/sec

Time in Seconds

**Graph 9**

Time in Seconds

Velocity in feet/sec