**How Do You Graph Motion?**

**Purpose:** To investigate how motion is displayed as a graph.

**Data**

Sketch the line from the computer graph for each of the following types of motion, and then describe the shape of the line.

|  |  |  |
| --- | --- | --- |
| **Motion Relative to the Motion Detector** | **Graph**  (Sketch the shape of the line) | **Description of the shape of the line**  (Straight? Curved? Diagonal? Direction it’s going?) |
| Slowly away | Blank distance-time graph.png |  |
| Quickly away | Blank distance-time graph.png |  |
| **Motion Relative to the Motion Detector** | **Graph** | **Description of the shape of the line** |
| Slowly towards | Blank distance-time graph.png |  |
| Quickly towards | Blank distance-time graph.png |  |
| Standing still | Blank distance-time graph.png |  |