Plotting Motion graphs Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write down your walking/jogging speed. \_\_\_\_\_\_\_\_\_\_\_\_\_

2. Complete the table for the distance walked/jogged below.

|  |  |
| --- | --- |
| Time (Hour) | Distance (km) |
| 0 |  |
| ¼ (= 0.25) |  |
| ½ (= 0.5) |  |
| ¾ (= 0.75) |  |
| 1.0 |  |
| 1.25 |  |
| 1.5 |  |

3. Plot Distance Versus Time, graph below.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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4. Find the slope of the Distance Versus Time graph. Show all of your work, include units.

5. What is represented by the slope of Distance Versus Time graph?

6. Plot the above graph using Excel.