Name: Period:

Getting Speed vs. Time from Distance and Time

* Using the following time and distance data calculate the total average speed at each dot.
* Record these speeds on the data table.
* Make a graph with distance on the y-axis and time on the x-axis.
* Make a graph with speed on the y-axis and time on the x-axis.

|  |  |  |  |
| --- | --- | --- | --- |
| Dot # | Distance (m) | Time (s) | Speed (m/s) |
| 0 | 0.0 | 0.0 |  |
| 1 | 1.0 | 0.1 |  |
| 2 | 4.0 | 0.2 |  |
| 3 | 9.0 | 0.3 |  |
| 4 | 16.0 | 0.4 |  |
| 5 | 25.0 | 0.5 |  |
| 6 | 36.0 | 0.6 |  |
| 7 | 49.0 | 0.7 |  |
| 8 | 64.0 | 0.8 |  |
| 9 | 81.0 | 0.9 |  |
| 10 | 100.0 | 1.0 |  |

Distance vs Time Speed Vs Time

 