Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_

Distance - Time Graphs  and  Velocity - Time Graphs

1) Draw a Distance - Time graph for an Object at Rest.

2) Draw a Distance - Time graph for an Object with Constant Velocity.

3) Draw a Distance - Time graph for an Object with Acceleration.

4) Draw a Velocity - Time graph for an Object with Constant Velocity.

5) Draw a Velocity - Time graph for an Object with Constant Acceleration.

6) Draw a Distance- Time graph for an Object that returned to the starting point after 15 seconds.

7) Draw a Velocity - Time graph for an Object with Negative Acceleration.

8) How is Total Distance Travelled calculated from a Velocity - Time graph?

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Proficient……………Nearing Proficient…………………Needs Improvement…………………Little / No Effort | | | | | | | | |
| Name on paper | 4 | 3.5 | 3 | 2.5 | 2 | 1.5 | 1 | .5 | 0 |
| Ruler is used | 4 | 3.5 | 3 | 2.5 | 2 | 1.5 | 1 | .5 | 0 |
| Used correct units | 4 | 3.5 | 3 | 2.5 | 2 | 1.5 | 1 | .5 | 0 |
| Title on graphs | 4 | 3.5 | 3 | 2.5 | 2 | 1.5 | 1 | .5 | 0 |
| Axis labeled | 4 | 3.5 | 3 | 2.5 | 2 | 1.5 | 1 | .5 | 0 |
| Graphs are scaled | 4 | 3.5 | 3 | 2.2 | 2 | 1.5 | 1 | .5 | 0 |