**Unit 3 – Quiz 1**

**Interpreting Motion Graphs**

For each of the graphs below, write the letter of the matching description. Yes, some answers are used more than once.

|  |  |
| --- | --- |
| A. moving in the (‘+’) dir. at a constant speed  B. moving in the (‘-‘) dir. at a constant speed  C. not moving | D. moving in the (‘+’) dir. and gaining speed  E. moving in the (‘+’) dir. and slowing down  F. moving in the (‘-‘) dir. and gaining speed  G. moving in the (‘-‘) dir. and slowing down |

For questions 1-5, interpret the ***position-time*** graphs:

|  |  |  |
| --- | --- | --- |
| \_\_\_\_\_1  **x**  **t** | \_\_\_\_\_2  **x**  **t** | \_\_\_\_\_3  **x**  **t** |
| \_\_\_\_\_4  **x**  **t** | \_\_\_\_\_5  **x**  **t** |  |

For questions 6-10, interpret the ***velocity-time*** graphs:

|  |  |  |
| --- | --- | --- |
| \_\_\_\_\_6  **v**  **t** | \_\_\_\_\_7  **v**  **t** | \_\_\_\_\_8  **v**  **t** |
| \_\_\_\_\_9  **v**  **t** | \_\_\_\_\_10  **v**  **t** |  |