**Language of Motion - Ch 8.1**

**Scalar**:

**Vector**:

**Position**:

**Time** **Interval**:

**Test #1 Test #2**

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| --- | --- | --- | --- | --- | --- | --- |
| Position | Time-A | Time-B |  | Position | Time-A | Time-B |
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**Test #3**

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| Position | Time-A | Time-B |
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**Distance**:

**Displacement**:

Directions usually follow the conventions of:

 To find the displacement of an object you can take the final position and subtract the initial position.

$$∆d=d\_{f}-d\_{i}$$

1. What was the distance travelled from start to finish for:

 **Test #1 Test #2 Test #3**

1. What was the displacement travelled from start to finish for:

 **Test #1 Test #2 Test #3**

1. Graph the three tests and use a **best-fit line** to connect the dots. Then answer the following questions.
2. Describe where the graph has a positive slope, negative slope, or zero slope.

 **Test #1 Test #2 Test #3**

1. What do you think the slope of the graph represents?

 Homework: p.355 Activity 8-1D, p.361 Check Your Understanding

