Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance-Time Graph Stations

Station 1: (SHOW YOUR WORK!)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **9** |  |  |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |  |  |
| **7**Distance (meters) |  |  |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |  |  |
| **1** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

 1 2 3 4 5 6 7 8 9 10

Time (seconds)

**1. Point B**

**2. Point C**

**3. Point D**

Station 2:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
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Station 3:

1.

2.

3.

4.

5.

6.

Station 4:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
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Station 5:

1.

2.

3.

Station 6:

Station 7:

1.

2.

3.

4.

Station 8:

1.

2.

3.

**Exit Ticket:**

**Adreanna was walking home from the movies with Mohamad and Erica. Create a graph of the distance they walked to get home and answer the questions that follow.**

|  |  |
| --- | --- |
| Time (minutes) | Distance (meters) |
| 0 | 0 |
| 1 | 20 |
| 2 | 50 |
| 3 | 80 |
| 4 | 110 |
| 5 | 120 |
| 6 | 120 |

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**Once you have drawn your graph use it to answer the following questions below.**

1. **How far did Adreanna, Mohamad, and Erica travel? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How long did their walk take? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Calculate their average speed from *2 seconds to 3 seconds*. Show your work below and box your answer.**
2. **What is the average speed of the ENTIRE walk? Show your work below and box your answer.**
3. **After looking at the data, what can you conclude about where the 3 students were during the last 2 minutes?**
4. **Did the students stop to rest at any point? How do you know?**