

Name and surname ..... class.....

## WORKSHEET 6

### Activity 12. Slower and slower / Faster and faster

#### 12a) TOWARD the wall

Two people walk toward the wall, starting from the same distance. One of them walks slower and slower, and the other walks faster and faster. Sketch both motions in the same coordinate system.

1. Person walking toward the wall slower and slower — line name: *sd* (slowing down)

2. Person walking toward the wall faster and faster — line name: *su* (speeding up)



Describe in your own words how you can tell from the graph when the movement towards the wall was getting slower and when it was getting faster?

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#### 12b) AWAY FROM the wall

Two people walk away from the wall, starting from the same distance. One of them walks slower and slower, and the other walks faster and faster. Sketch both motions in the same coordinate system.

1. Person walking away from the wall slower and slower — line name: *sd* (slowing down)

2. Person walking away from the wall faster and faster — line name: *su* (speeding up)



Describe in your own words how you can tell from the graph when the movement away from the wall was getting slower and when it was getting faster?

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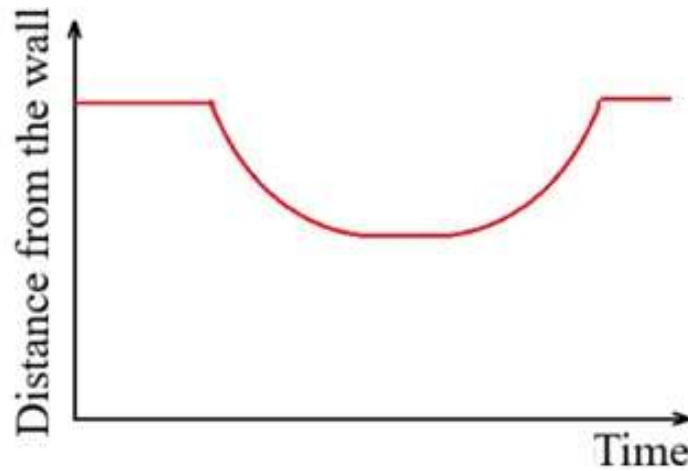
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**Activity 13.** The graph shows a certain movement:



Describe in words what this movement might look like:

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**Check - perform your movement with the sensor**

Does your description match the sensor's indication? YES / NO

What did you do incorrectly in your first attempt? Why do you think that was?

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