

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

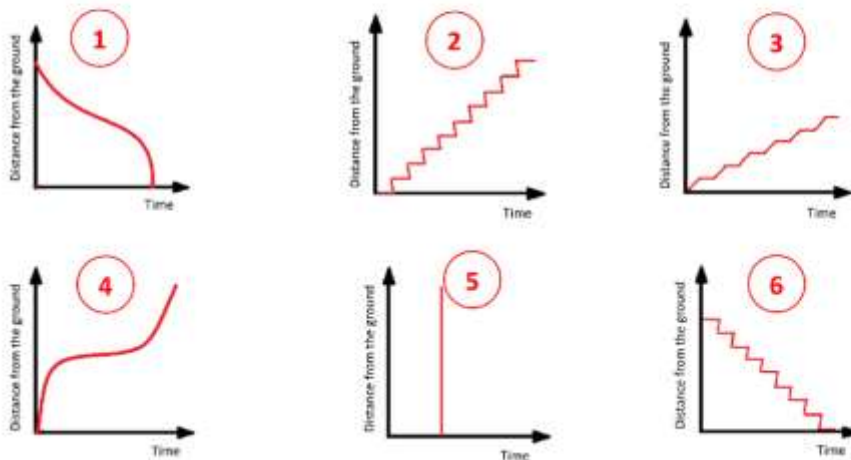
## WORKSHEET 3

### Activity 6

#### Activity 6a)

Mark your answer or answers to the following **Task about stairs**:

Imagine walking up the stairs at a uniform rate (picture beside).  
Which graph best represents how your distance from the ground changes in time during this movement?



Your first answer – assumption: .....

#### Activity 6b)

Redraw the graph obtained by the sensor:



Was your first assumption – your first answer – correct? YES / NO

Why? .....



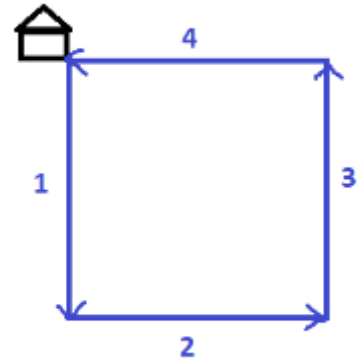
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### Activity 7. Tasks about Mr Nowak:

Mr Nowak left his house and walked around his square-shaped property at a steady pace, as shown in the picture:

Solve the following tasks.



a) How did his distance from the house change at each stage of the walk? Describe as accurately as possible.

- 1.....
- 2.....
- 3.....
- 4.....

b) Sketch a graph that illustrates, in your opinion, Mr Novak's distance from his house during the time of the walk.



c) Design and conduct an experiment illustrating Mr Nowak's movement and draw the graph created using the sensor.



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