Projekt współfinansowany w ramach programu Unii Europejskiej Erasmus+

Name and surname ……..… class……

WORKSHEET 3

Activity 6

Activity 6a)

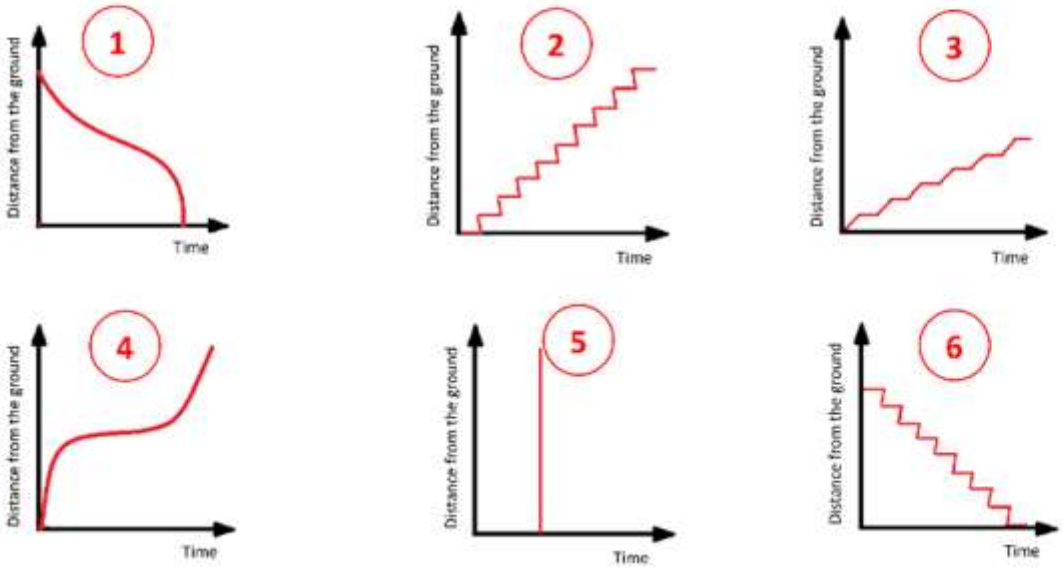
Read the task and mark your answer with a ✓.

You may select more than one answer.

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?

Underline the correct answer and then justify it.

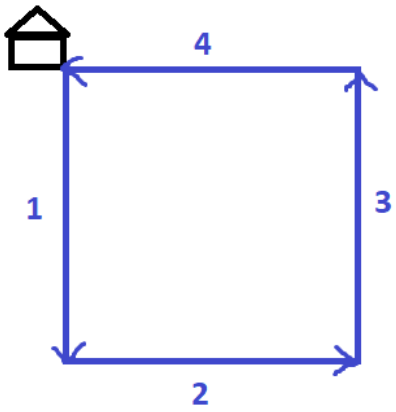
YES / NO

Why?

……

Activity 7. Task about Mr Novak:

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



Solve the following tasks.

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

Section 1.

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Section 2.

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Section 3.

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Section 4.

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b) **Draw 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 Novak's movement and **draw a graph** created using a sensor.