

SURNAMES:

NAME:

GRADE: 2<sup>nd</sup> of E.S.O. GROUP: A B C D E F

DATE:

1. Draw the **symbols** we use in a flowchart to represent the technological process (4x0,15=0,6 points):

Start or end of process	Process	Data input or output	Decision-making

2. The following flowchart gives the steps followed to add 2 numbers together (3+2=5). Redo the flowchart with the symbols as needed (according to what is necessary) and answer the questions (4x0,1 + 6x0,15=1,5 points):

	<ul style="list-style-type: none"> <li>What are A and B?</li> <li>If A= 5 and B=8, sum is:</li> <li>What are the input variables?</li> <li>What are the output variables?</li> </ul> <p><i>✍</i> Suppose this flowchart is running on a computer:</p> <ul style="list-style-type: none"> <li>What <b>input</b> device would you use to enter A&amp;B?</li> <li>What <b>output</b> device would you use to get the result?</li> </ul>
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3. In the **program 01** below (1,6 points)

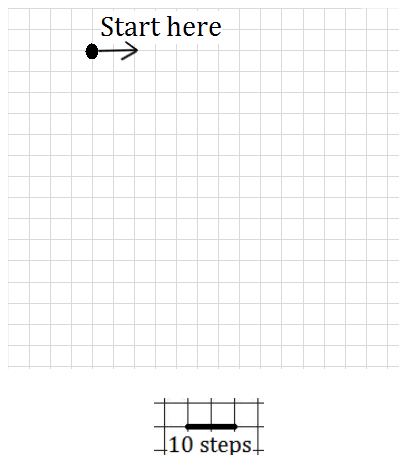
- Draw the result of **program 01** below using a pencil (0,8 points).
- Modify **program 02** so that the result is a **square** of side 200 stepsides (0,8 points)

**pen down** program 01

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move 50 steps
turn 90 degrees
move 50 steps
turn 90 degrees
move 50 steps
turn 90 degrees
move 50 steps
turn 90 degrees

```



**pen down** program 02

```

move [ ] steps
turn [ ] degrees
move [ ] steps
turn [ ] degrees
move [ ] steps
turn [ ] degrees
move [ ] steps
turn [ ] degrees

```