

Name:

Date:

Period:

## **YOUR CHOICE FUNCTION PROJECT**

**(This sheet MUST be turned in with your project!)**

### **Choose 1 of the following options:**

1) Function Machine Drawing

- Create a *creative and original* drawing of a function machine. Label the input, the rule, and the output
- A description of how the machine works must accompany your drawing – typed is preferred
- Your description must include an explanation of each of the following terms: function, input, output, domain, and range

2) Function Story/Poem

- Create a *creative and original* story or poem to explain functions and how they work – typed is preferred
- Your story or poem must include an explanation of each of the following terms: function, input, output, domain, and range

3) Function Rap/Song

- Create a *creative and original* rap or song to explain functions and how they work
- You must turn in a copy of your lyrics – typed is preferred
- Your rap or song must include an explanation of each of the following terms: function, input, output, domain, and range

### **EXTRA CREDIT OPPORTUNITY:**

Extra credit will be awarded to students who choose to add a performance element to their project. This means presenting and describing your drawing, reciting your story or poem, or performing your rap or song.

- Performances must be memorized
- Performances must be professional – no goofing off in front of class

Name:

Date:

Period:

## YOUR CHOICE FUNCTION PROJECT RUBRIC

CATEGORY	4	3	2	1
Comprehension of Functions	Project shows complete understanding of the mathematical terms listed(s).	Project shows substantial understanding of the mathematical terms listed(s).	Project shows some understanding of the mathematical terms listed(s).	Project shows very limited understanding of the mathematical terms listed(s) OR is not written.
Explanation of Functions	Explanation is detailed and clear.	Explanation is clear.	Explanation is a little difficult to understand, but includes critical components.	Explanation is difficult to understand and is missing several components OR was not included.
Creativity	The project is creative and completely original.	The project is somewhat creative and mostly original.	The project lacks creativity and is not very original.	The project lacks creativity and originality.
Neatness and Organization	The work is presented in a neat, clear, organized fashion that is easy to read.	The work is presented in a neat and organized fashion that is usually easy to read.	The work is presented in an organized fashion but may be hard to read at times.	The work appears sloppy and unorganized. It is hard to know what information goes together.
Completion	Project is completed fully, with students best effort, and satisfies all requirements.	Project is completed fully, although does not appear to be student's best effort.	Project is missing some of the required elements.	Project is missing many of the required elements.

**Total Score = \_\_\_\_\_ / 20 = \_\_\_\_\_ / 100**