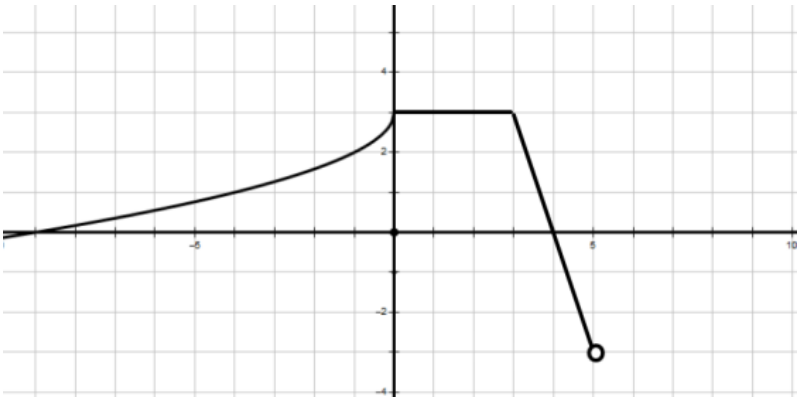
NAME_____DATE_____
ALGEBRA II PRACTICE: GRAPHS OF FUNCTIONS II

Refer to the graph to answer the following questions about the function f(x).

PART A. As x approaches negative infinity, f(x) reaches a lower bound of -1. Each increment represents one unit.

1. Is the function one-to-one?



2. Is the function an onto function?

3. On what interval(s) is the function non-negative?

4. On what interval(s) is the function decreasing?

5. What is the value of f (-1)?

6. What is the absolute maximum value of the function?

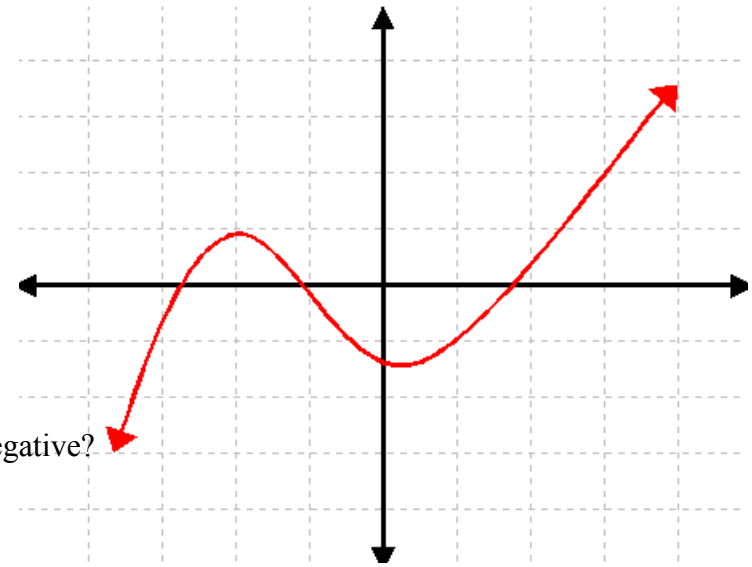
7. What is the absolute minimum value of the function?

8. What is/are the relative minimum value(s) for the function?

9. What is/are the relative maximum value(s) for the function?

PART B

1. Is the function one-to-one?



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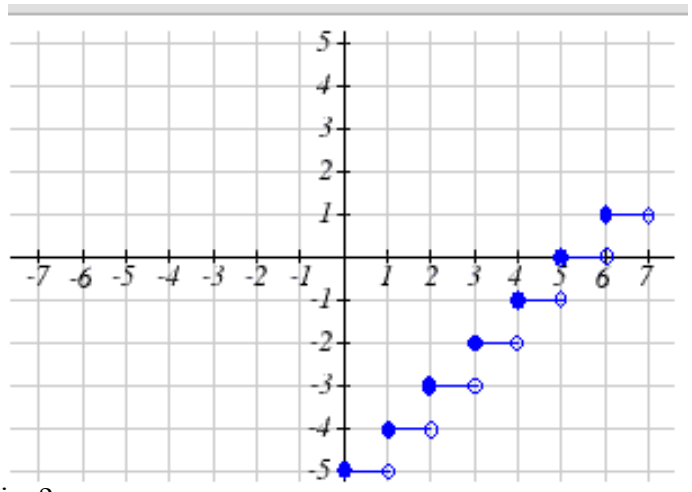
PART C



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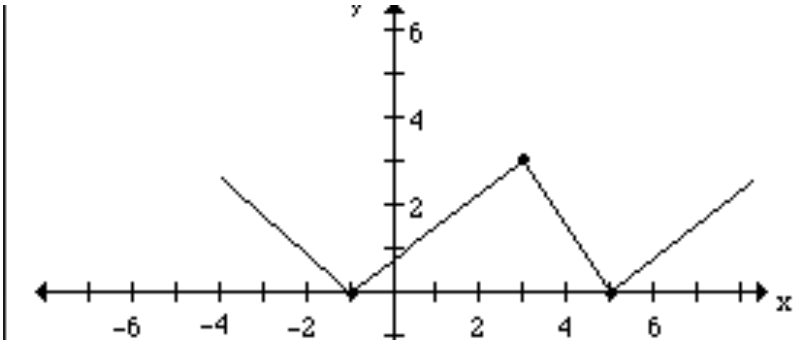
7. What is the absolute minimum value of the function?

8. What is/are the relative minimum value(s) for the function?

9. What is/are the relative maximum value(s) for the function?

PART D

1. Is the function one-to-one?



2. Is the function an onto function?

3. On what interval(s) is the function non-negative?

4. On what interval(s) is the function decreasing?

5. What is the value of f (-1)?

6. What is the absolute maximum value of the function?

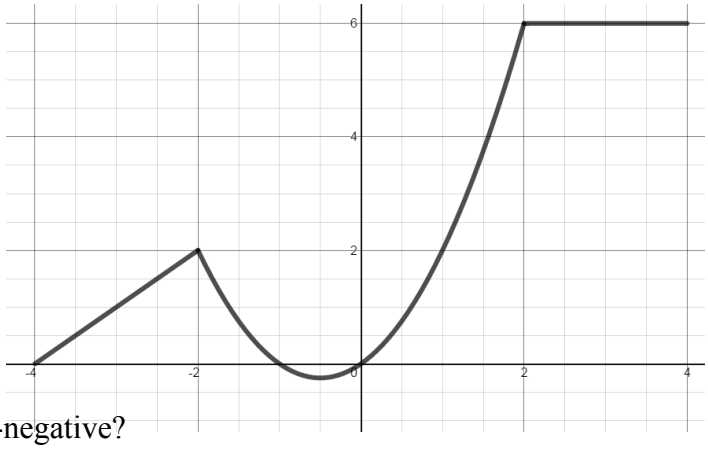
7. What is the absolute minimum value of the function?

8. What is/are the relative minimum value(s) for the function?

9. What is/are the relative maximum value(s) for the function?

PART E

1. Is the function one-to-one?



2. Is the function an onto function?

3. On what interval(s) is the function non-negative?

4. On what interval(s) is the function decreasing?

5. What is the value of f (-1)?

6. What is the absolute maximum value of the function?

7. What is the absolute minimum value of the function?

8. What is/are the relative minimum value(s) for the function?

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