

Name _____

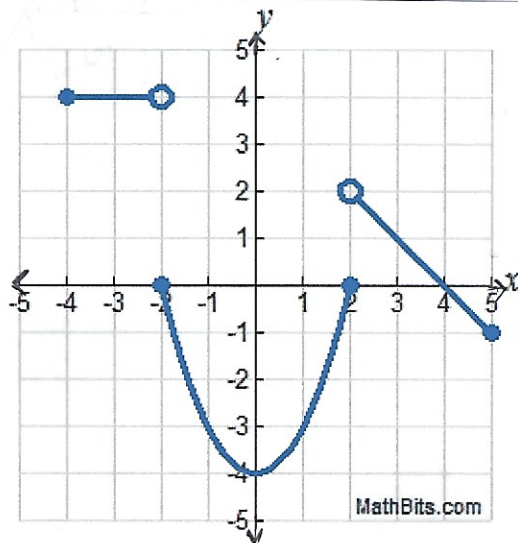
Date _____

8A; Algebra 1

Period _____

Homework

Answer the following questions based on the provided graph.



1) Find the following values:

$f(-4) =$ _____

$f(-2) =$ _____

$f(0) =$ _____

$f(2) =$ _____

2) What are the x-intercepts of the function? _____

3) What are the y-intercepts of the function? _____

4) What is the absolute extreme maximum? _____

5) What is the absolute extreme minimum? _____

For questions 6-8: give your answer in interval notation

6) Find the intervals on which the function is increasing. _____

7) Find the intervals on which the function is decreasing. _____

8) Find the interval on which the function is constant. _____

9) Is the graph continuous or discontinuous? _____

10) What is the average rate of change on the interval $[-2, 0]$? _____