ACMAT100 Spring 2023 Professor Manguba-Glover Classwork 9

Name:			

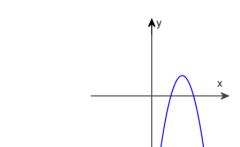
- 1. Find the domain and range of the following relations and determine if it is a function. If not, state why.
 - (a) $\{(-9,-4),(9,-2),(5,5),(-2,-2)\}$
 - (b) $\{(-7,0),(3,6),(2,2),(6,6)\}$
 - (c) $\{(-9,-7),(2,9),(-2,-2),(9,9)\}$

- 2. If f(x) = 8x + 6, find the following
 - (a) f(7)
 - (b) f(x+4)
 - (c) f(-x)

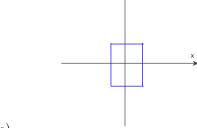
3. If $f(x) = -4x^2 + 3x - 2$, find the following

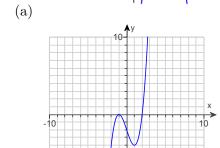
- (a) f(2)(b) f(-1)
- (c) f(x+1)

4. Use the vertical line test to determine if y is a function of x in the graph.





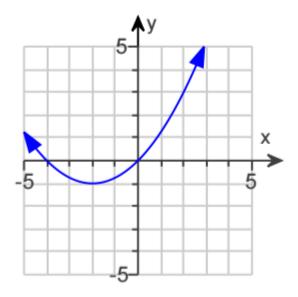




(b)



5. Consider the following graph.



- (a) Is this a function?
- (b) Determine the domain and range.
- (c) What is f(2) and f(-2)?