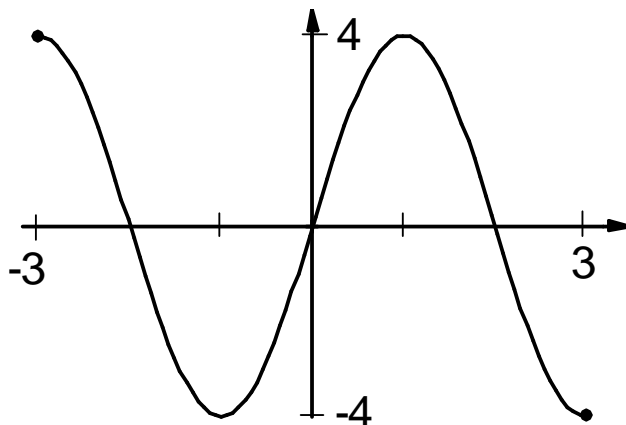


MATH 114 - Reading Assignment 6 - Section 2.2 - Spring 2008

Name _____, A.K.A _____

1. **True** or **False**: Every collection of points in the xy -plane represents the graph of a function.
2. What is the vertical line test?

3. Follow Example 2. Given the graph of $y = f(x)$ below, answer the following questions.



- (a) What is the domain of f ? _____
- (b) What is the range of f ? _____
- (c) What are the x -intercept(s)? _____
- (d) What is the y -intercept(s)? _____
- (e) How many times does the line $y = 1$ intersect the graph? _____
- (f) What is $f(1)$? _____
- (g) For what values of x does $f(x) = -4$? _____
- (h) For what vales of x is $f(x) > 0$? _____