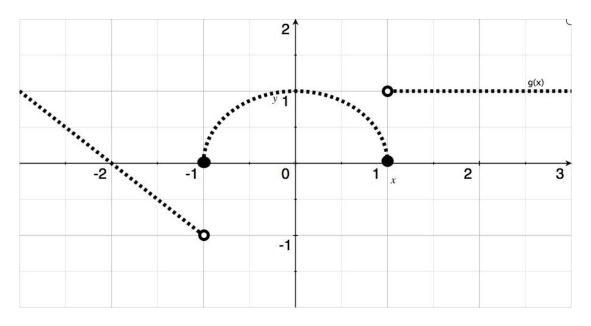
Quiz 2

Show all your work algebraically for each and simplify. No credit is given without supporting work. There are two sides to this quiz.

1. Let the following be the graph of g.

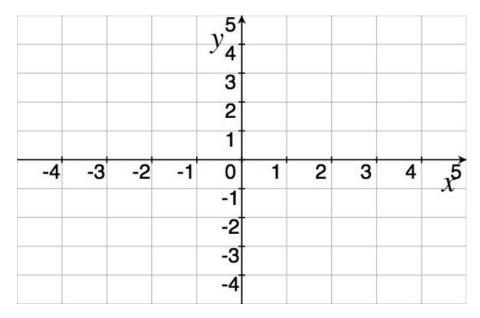


- (a) [2] Is g a function? Why or why not?
- (b) [1] What is g(2)?
- (c) [2] What is the range of g?
- (d) [1] If m(x) = g(x) + 1, graph m.

2. Given that the function f is defined by:

$$f(x) = \begin{cases} x & 0 \le x \\ -x & x \le 0 \end{cases}$$

(a) [2] Graph f on the axes below.



(b) [2] Let h(x) = x + 2. Find $(h \circ f)(-3)$.