1. [9 points] The function h(r) is **even** and **periodic** with period 6. Some values of h(r) are given in the table below.

r	-2	0	1	3
h(r)	1.5	1	0	-1

The function f(x) is given by $f(x) = \log(3x)$.

- **a**. [5 points] Evaluate each of the following using information you know about h(r); or if there is not enough information to so so, write NEI. Write your answer in exact form, or rounded to two decimal places. Where relevant, show all work.
 - (i.) h(2) =_____
 - (ii.) h(h(0)) = ______
 - (iii.) *h*(10) = _____
 - (iv.) $f^{-1}(h(-2)) =$ _____

b. [2 points] Is h(t) invertible? Explain why it definitely is, why it definitely isn't, or if there isn't enough information to tell.

c. [2 points] Without using a calculator, Laurel claims that f(33) is approximately 2. Explain how she could have known this!