3. [10 points] Below, you are given a table with some data about two functions, $f(x)$ and $g(x)$:

x	0	1	2
$f(x)$	2	-4	3
$g(x)$	0	5	-1

In addition to this table, we are told the following facts:

- $f(x)$ is an even function.
- $g(x)$ is an odd function.
- There is a third function $h(x)$. The graph of $y = h(x)$ is obtained by shifting the graph of $y = f(x)$ one unit to the right.

Use this information to answer the questions below.

a. [2 points] Compute $h(1)$.

Answer: $h(1) =$ _____.

b. [2 points] Compute $f(-1)$.

Answer: $f(-1) =$ _____.

c. [2 points] Compute $g(2) + g(-2)$.

Answer: $g(2) + g(-2) =$ _____.

d. [2 points] If $j(x) = f(2x) + 1$, compute the value of $j(1)$.

Answer: $j(1) =$ _____.

e. [2 points] If $g(x) = k(-2x)$, compute the value of $k(-4)$.

Answer: $k(-4) =$ _____.