

1. [6 points]

a. [2 points] Some of the values of the function $V(x)$ are given in the following table:

x	-4	-2	0	2	4
$V(x)$	7	-3	0	3	-7

Given the information in the table, is it possible for the function $V(x)$ to be even or odd? Circle your answer, if both are impossible, circle Neither.

Solution: **EVEN** **ODD** **NEITHER.**

b. [2 points] Let $f(t) = \frac{1+t^4}{t^2-1}$. Is the function $f(t)$ even, odd or neither? Circle your answer.

Solution: **EVEN** **ODD** **NEITHER.**

c. [2 points] The function $H(x)$ is an odd function satisfying $\lim_{x \rightarrow 1^-} H(x) = \infty$. Find the value of $\lim_{x \rightarrow -1^+} H(x) = \underline{\hspace{2cm}}$.

Solution: $\lim_{x \rightarrow -1^+} H(x) = -\infty$