

L 3.202 Write a MATLAB function (with a name of your choosing) that takes a function x of a single variable and returns the function y for each case below. [Hint: Use anonymous functions.]

(a) $y = \text{Even}(x)$;

(b) $y = \text{Odd}(x)$;

(c) $y(t) = x(-t)$; and

(d) $y(t) = \begin{cases} x(t) & x(t) \geq 0 \\ 0 & \text{otherwise.} \end{cases}$