Math	<b>240</b>	-	Quiz	<b>12</b>
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December 7, 2023

Name	
	Score

Show all work to receive full credit. Supply explanations when necessary.

- 1. (10 points) Let f(x) be the periodic extension (with period 2) of its portion defined on [-1,1] by f(x) = |x|.
  - (a) Roughly sketch the graph of 3 or 4 periods of f.

(b) Determine the Fourier series for f.