MATH 19501 Quiz 17 - Winter 25

Name:	EMPLID:
and indicate the final answer in th	how all of your work as neatly and clearly as possible as provided region for each non-graph question. For all h your graph on the grid provided.
1. (10 points) Let $f(x) = \tan \frac{\pi}{4}x$.	
(a) (2 points) Find the amplitude	of $f(x)$. Write your answer in the box below:
(b) (2 points) Find the period of	f(x). Write your answer in the box below:
(c) (2 points) Find the domain of	f. Write your answer in interval notation. Write your
answer in the box below:	

(d) (4 points) Sketch one complete period of the graph of f(x) in the appropriate interval $\left(-\frac{\pi}{2B}, \frac{\pi}{2B}\right)$. Make sure to include the vertical asymptotes on your graph.

