MATH 19501 Quiz 7 - Winter 25

Name:	EMPLID:
and indicate the	stions. You must show all of your work as neatly and clearly as possible final answer in the provided region for each non-graph question. For al you should sketch your graph on the grid provided.
1. (6 points) Let	$f(x) = (x-2)(x+3)^2(x+1)^3.$
(a) (4 points) Fig	and the zeros of $f(x)$.
Write your answ	er in the box below:
	hat is the end behavior of $f(x)$? Enter your answer using the arrow (\rightarrow) your answer in the box below:

2. (8 points) Let $f(x) = (x+3)^2(x-2)$.

(a) (3 points) Find the intercepts, multiplicity, and end behavior.

Write your answer in the box below:



(b) (5 points) Graph f(x) on the grid below.

