University of San Carlos
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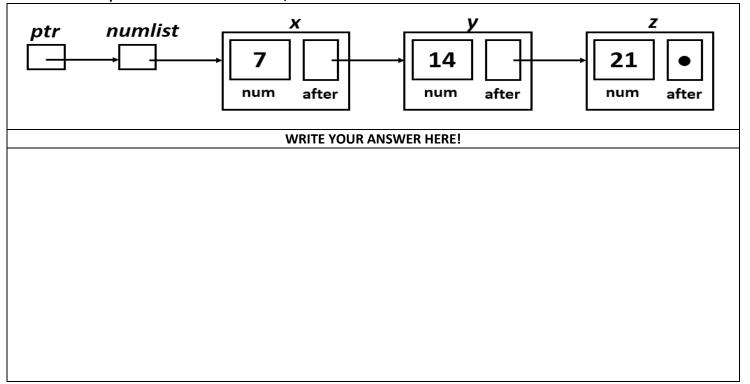
Name: _____ Teacher: _____

I. Non-dynamic linked list.

A. Given the illustration below, write the structure definition of the linked list below. You can define your own data types.

NOTE: ptr and numlist are variables, NOT DATATYPES.

WRITE YOUR ANSWER HERE!

B. C Statements.

Based on the data structure definition you have created in **part A)**, **WRITE the C STATEMENT** which will accomplish each of the following. **(25 pts)**

QUESTIONS:	ANSWERS:
1) Declare variables **x**, **y** and **z**	
2) Declare variable **numlist**	
3) Declare variable **ptr**	
4) Let variable **numlist** point to **x**	
5) Let variable **ptr** point to **numlist**	
6) Let the variable **after** of variable **x** point to **y**	
7) Let the variable **after** of variable **y** point to **z**	
8) Let the variable **after** of variable **z** be **null**	
9) Using **ptr**, assign variable **num** of **x** the value of 1	
10) Using **ptr**, assign variable **num** of **y** the value of 3	
11) Let **ptr** point to variable **after** of variable **x** without breaking the list **(3pts)**	
12) Using **ptr,** let **numlist** point to variable **y** breaking the list	