Name: _____   Show work needed to justify your answer.   Date: _____

HW # 24a: Algebra 1 - Standard 13 - Arithmetic Sequence   5 points

Use the given arithmetic sequence to write an equation and then find the 7th term of the sequence.

19. –3, –8, –13, –18, …

20. –2, 3, 8, 13, …

21. –11, –15, –19, –23, …

22. −0.75, −0.5, −0.25, 0, …

24. THEATER A theater has 20 seats in the first row, 22 in the second row, 24 in the third row, and so on for 25 rows.

   a. Create a function to represent the arithmetic sequence.

   c. How many seats are in the last row?

25. POSTAGE The price to send a large envelope first class mail is 88 cents for the first ounce and 17 cents for each additional ounce. The table shows the cost for weights up to 5 ounces.

Weight (ounces)	1	2	3	4	5
Postage (dollars)	0.88	1.05	1.22	1.39	1.56

Source: United States Postal Service

   a. Create a function to represent the arithmetic sequence.

   c. How much did a large envelope weigh that cost $2.07 to send?