

Name \_\_\_\_\_

Date \_\_\_\_\_ Class \_\_\_\_\_

## Connecting Sequences, Slope, Linear Functions and Equations Take Home Quiz

Write an equation in slope intercept form of the following arithmetic sequences. Remember the steps:

- a. create a table
- b. take 2 ordered pairs
- c. find the slope (m)
- d. use slope and 1 ordered pair to solve for y intercept (b)
- e. use slope and y intercept to write your equation

1. -3, -1, 1, 3, ...

2. 5, 4, 3, 2, 1, ...

3. 0, 5, 10, 15, ...

4. -8, -4, 0, 4, ...

5.  $-1, -4, -7, -10, \dots$

6.  $0, 2, 4, 6, \dots$

7.  $5, 0, -5, -10, \dots$

8.  $1, 5, 9, 13, \dots$

9.  $3, 4, 5, 6, \dots$

10.  $10, 8, 6, 4, \dots$

11. Explain how to find slope from a table of values.