Math 1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2-2 Practice 2** Date\_\_\_\_\_\_\_\_

Learning Goals:

* *I can convert a sequence into a recursive or explicit formula.*
* *I can use a formula to find missing terms in a sequence.*
* *I can determine the common difference from a sequence.*

Write out the first three terms of the following arithmetic sequences; then write an explicit and recursive formula.

 Explicit Recursive

1. 

 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2. 

 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_



3. 

 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

4. 

 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

5. 

 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Find the indicated term in each arithmetic sequence:

6. **** for -12, -13, -14, . . .

7. **** for 20, 17, 14, …

8. **** for 2.5, 8.5, 14.5, …

9. **** for 

Find the first three terms of the following sequences.

10.  \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_

11.  \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_