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

**2-2 Practice 1** 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.*

Use sequence *q* below to answer Number 1.



1a.  1b.  1c. 

2. Find the next three terms in each sequence below.

1. 
2. 
3. 

3. Identify the first three terms of the sequences defined below.

1.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
2.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
3.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
4.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_

Read carefully!!

4. Use the given recursive formulas to find the first three terms of each sequence.

1.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
2.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
3.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_

5. Use the given explicit formulas to find the first three terms of each sequence.

1.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
2.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
3.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
4.  \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_