HW 2 – GEOMETRIC SEQUENCES NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Determine if the following are Arithmetic (A), Geometric (G), or neither (N). If it is Arithmetic or Geometric, find the recursive and explicit formulas.*

1. 2.

3. 4.

5. Find the 7th term of the sequence 6. State the 10th term of the sequence

7. Complete the sequence: 8. Complete the sequence:

4, \_\_\_, \_\_\_, \_\_\_, \_\_\_, 128 , \_\_\_ , \_\_\_ , \_\_\_ , 25

9. The 3rd term of a geometric progression is 432 10. If .

And the 5th term is 243. Find the 8th term.

11. How many terms are in the sequence: 12. Which term is 729 in the sequence: