**HOMEWORK 5**

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PER \_\_\_\_\_ DATE \_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **2.1.b** |
|  |

The graphs of the function *f* is given below. Use the graphs to answer the following questions.



Graph of *f*

1.  2. 

3.  4. 

5. 

***BC ONLY***

**Find a formula for the nth term of each geometric sequence.**

**1.** 4, 12, 36, 108, … **2.** 400, 100, 25, 6.25, …

**3.** 1, , 3, ,… **4.** -3, .3, -.03, .003…