

## Geometric Sequences - Explicit Formula

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the common ratio. Write the explicit formula. Determine the unknown term in the geometric sequence.**

1) 2, -4, 8, -16, ...

Find  $g_{10}$ 

2) 1, 2, 4, 8, ...

Find  $g_9$ 

3) -1, -3, -9, -27, ...

Find  $g_9$ 

4) -1, 3, -9, 27, ...

Find  $g_{11}$

5) 2, -8, 32, -128, ...  
Find  $g_{10}$

6) -3, -6, -12, -24, ...  
Find  $g_{11}$

7) 2, 8, 32, 128, ...  
Find  $g_9$

8) -4, 8, -16, 32, ...  
Find  $g_{12}$

9) 1, -3, 9, -27, ...  
Find  $g_{11}$

10) 1, 3, 9, 27, ...  
Find  $g_{12}$