Algebra1

Name_____

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 a_{10}

2) $1, 2, 4, 8, ...$
   Find a_9

3) $-1, -3, -9, -27, ...$
   Find a_9

4) $-1, 3, -9, 27, ...$
   Find a_{11}

5) 2, −8, 32, −128, ...
   Find a_{10}

6) −3, −6, −12, −24, ...
   Find a_{11}

7) 2, 8, 32, 128, ...
   Find a_9

8) −4, 8, −16, 32, ...
   Find a_{12}

9) 1, −3, 9, −27, ...
   Find a_{11}

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