Name _____ Date _____

Writing Expression for Geometric Sequences - Guided Lesson

Complete the following problems:

1)Write an equation to describe the sequence below. Use n to represent the position of a term in the sequence, where n = 1 for the first term.

-4, -16, -64, …..

$a_n =$ [ ] ([ ])$^{n-1}$

2) Write an equation to describe the sequence below. Use n to represent the position of a term in the sequence, where n = 1 for the first term.

-5, -25, -125, …..

$a_n =$ [ ] ([ ])$^{n-1}$

3) Write an equation to describe the sequence below. Use n to represent the position of a term in the sequence, where n = 1 for the first term.

-6, -36, -216, …..

$a_n =$ [ ] ([ ])$^{n-1}$