Math 20-1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Assignment 2: Geometric Sequences and Series

1. Given the following sequence; -2, 6, -18, …

* 1. State the general term

[1]

* 1. Determine the 14th term

[1]

1. Given the following geometric sequence, determine the number of terms.

5, 15, 45, … , 32805

[2]

1. Determine the sum of the first twenty terms of the following geometric series;



[2]

1. Determine the sum of the following series; 23 + 92 + 368 + … + 6 029 312

[2]