Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

First Determine if the Sequence is Geometric. Then answer the question it is requesting

|  |  |
| --- | --- |
| 1. Given: 3, 12, 48, 192, …   Find a12 | 1. Given 96, 48, 24, 12, …   Find a10 |
| 1. Given:   Find 1st 4 terms of Geometric Sequence | 1. Evaluate the geometric series described |
| 1. Determine the number of terms n in the geometric series   A1 = 3, r = 2, Sn = 381 | 1. Given 2 terms in the geometric sequence, find the formula   A10 = -1024 and a5 = 32 |

Graph the following piecewise functions

|  |  |
| --- | --- |
| INC:  DEC:  Constant:  Point of  Discontinuity:  What is f(-3)? | Domain:  Range:  Point of  Discontinuity:  What is g(3)? |
| Range:  Points of  Discontinuity: | |

Write the equation of the piecewise function

|  |  |
| --- | --- |
| prac341 | step2a |

Write as an absolute value given the graph. State the vertex and value of “a”.

|  |  |
| --- | --- |
| [image]  V: \_\_\_\_\_\_\_\_\_\_\_  a = \_\_\_\_\_\_\_  F(x)=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | [image]  V: \_\_\_\_\_\_\_\_\_\_\_  a = \_\_\_\_\_\_\_  G(x)=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Graph each absolute value function and describe the transformations

|  |  |
| --- | --- |
| 2. Transformations   [image] | 1. Transformations |

Solve each absolute value equation

|  |  |  |
| --- | --- | --- |
|  |  |  |

Solve each equation for the given variable.

|  |  |  |
| --- | --- | --- |
| 1. Solve for n. | 1. Solve for t. | 1. Solve for P. |