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 ofDiscontinuity:What is f(-3)? | Domain: Range:Point ofDiscontinuity:What is g(3)? |
| 1.

Range:Points of Discontinuity: |

Write the equation of the piecewise function

|  |  |
| --- | --- |
| 1.

prac341 | 1.

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

|  |  |
| --- | --- |
| 1.
2. Transformations

[image] | 1.

1. Transformations
 |

Solve each absolute value equation

|  |  |  |
| --- | --- | --- |
| 1.
 | 1.
 | 1.
 |

Solve each equation for the given variable.

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