**Pre-Calculus 12**

Level

Mark

Total

**Chapter 7A Test**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Nov. 23, 2021

 Mr. Formaran

**Section 7.1 and 7.2**

Simplify

 5a8b3c5 0

15a6b5c4

(3a8)3

9a6

1. 4. \_\_\_\_\_\_\_

 25x8y3z5

 15x6y5z4



2 100a8b4c10

3  125a12b3c15

18a8b3

27a-8b-3

2. 5.

20

02

-3a-xby -1

 9axb-y

3. 6.

Graph y=2(2)x-2 + 2, state the parameters, describe the transformations.

****

|  |  |
| --- | --- |
| x | y |
| -2 |  |
| -1 |  |
| 0 |  |
| 1 |  |
| 2 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | a= | b= | h= | k= |
| transformation |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Domain | Range | Horizontal asymptote | X-intercept | y-intercept |
|  |  |  |  |  |

**Section 7.3**

Solve the following



1. 22x = 26 3. m 72 = 49

2. 33x – 2 = 811/4  4. 322a – 2 = 4 16a