GSE Algebra 1 **HW #6.6 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

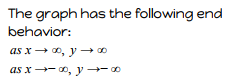
**Evaluate** the following.

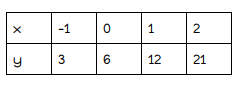
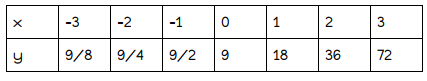
1. 2)
2. 4)

List out all the **characteristics** for the following graphs bellow.

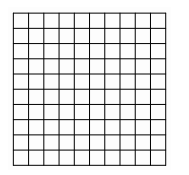
|  |
| --- |
| Dom: Range: max/min: x-ints:  Y-int: Vertex: A.O.S.: Incr:  Decr: Direc: Disc/Cont  End Beh: |
| Dom: Range: max/min: x-ints:  Y-int: Vertex: A.O.S.: Incr:  Decr: Direc: Disc/Cont  End Beh: |

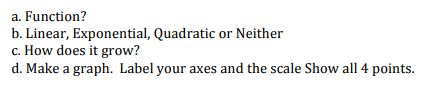
Tell if the following are **linear**, **exponential** or **quadratic**. Be sure to tell why or draw a picture of what it is.

7)  8) 

9)  10) 

11)  12)  13) 

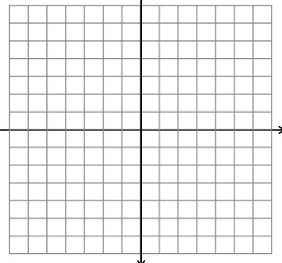
14) I had 81 freckles on my nose before I began using vanishing cream. After the first week I had 27 freckles, the second week I had 9, the third week I had 3.



**Multiply** the following to put in standard form.

15) (4x – 1)(2x – 7) 16) -3(x – 1)(x + 5) 17) -10x(3x – 4)

18) Given the following characteristics, draw a picture on the graph of what it looks like.

y-int : (0, -4) x-ints: (-5, 0) (5, 0) Range: [-4, oo)