Secondary Math I

Name:_____

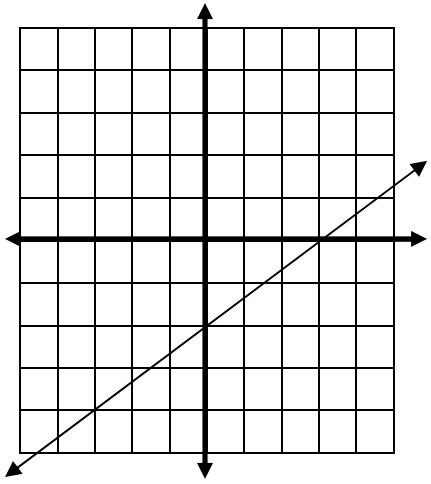
Module 5 Lesson 3 Part 1

Date:_____Period:_____

Identifying Linear and Exponential Functions

For each function below, state if it is Linear or Exponential. Explain your decision.

1.



2. Tennis Tournament

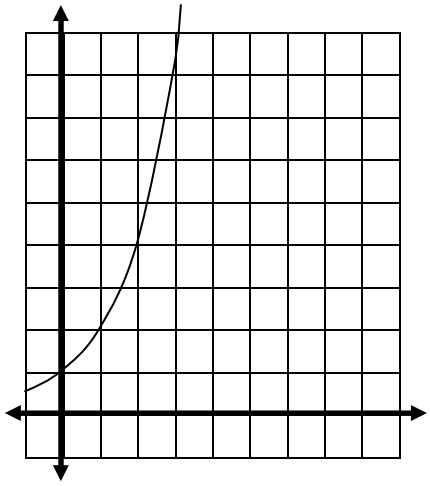
Rounds	1	2	3	4	5	6
# Players Left	64	32	16	8	4	2

3. $y = 4x$

4. $f(x) = 5^x - 20$

5. This function is decreasing at a constant rate.

6.



7. $-3x = 4y + 7$

8. The number of cell phones users in Centerville as a function of years, if the number of users is increasing by 75% each year.

9. Each term in a sequence is exactly 1/3 less than the previous term.

10. $y = 3 \cdot 2^x$

11.

x	y
-2	13
0	5
2	-13
4	-32
6	-49

12. The number doubles at a constant rate.