

****DUE BY 3/9/18****
****TURN IN BY 3/7/18 FOR EXTRA CREDIT!!****
Show all work for full credit

- 1) Given the sequence 3, 9, 27, 81 ... (Notes #54.5)
Write the explicit rule and find the 10th term.

Explicit Rule: _____

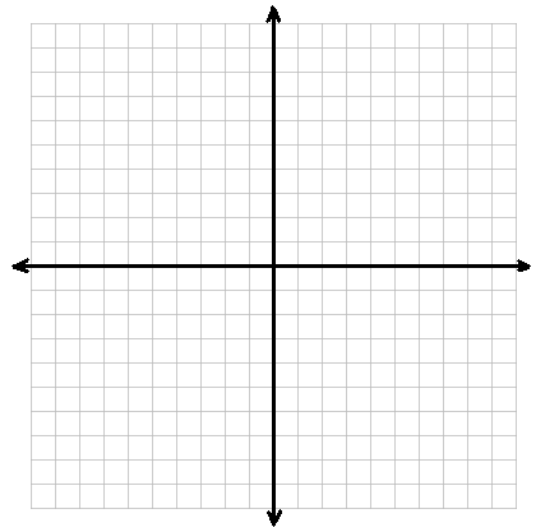
$$a_{10} =$$

- 2) What is the solution of the following system of equations? (Notes #44-47)

$$3x + 2y = 4$$

$$-2x + 2y = 24$$

- 3) On the set of axes below, draw the graph of $y = 2^x$ over the interval $-1 < x \leq 3 \rightarrow (-1, 3]$ (Notes #67)



- 4) Which property is illustrated by the equation $ax + ay = a(x + y)$? (Notes #1)
- 1) associative
 - 2) commutative
 - 3) distributive
 - 4) identity