

1) Arithmetic Sequences grow like _____ functions.

2) Geometric Sequences grow like _____ functions.

Find the recursive rule for the sequence using function notation.

3) 4, 7, 10, 13...

4) 8, 16, 32, 64, ...

Find the first four terms based on the recursive rule.

5) $a_1 = 5$ $a_{n+1} = a_n \cdot (-2)$

6) $f(1) = 10$ $f(n) = f(n - 1) + 4$

Find the indicated term of the sequence.

7) a_6 if $a_1 = 3$ $a_n = a_{n-1} + 1.5$

8) $f(6)$ if $f(1) = 3$ $f(n) = 2 \cdot f(n - 1) + 5$

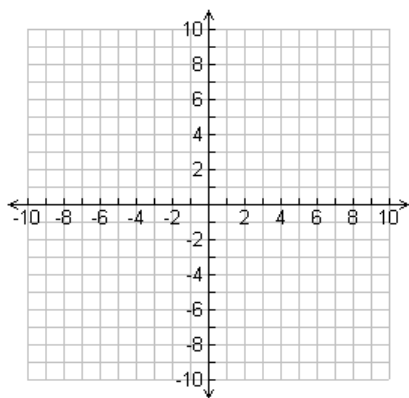
Exam Review: Functions

9) Does this table describe a function? Why or why not?

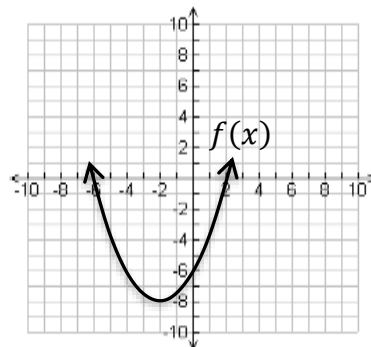
x	1	4	5	1
y	13	12	4	5

10) Graph: $b(x) = x^2 - 3$

x	b(x)
-3	
-2	
-1	
0	
1	
2	
3	



11) Which is greater, $f(-2)$ or $g(-2)$?



$$g(x) = \left| \frac{1}{2}x - 3 \right| + 2$$

Domain :
 Range:
 Interval of Increasing:
 Interval of Decreasing: