- Equal differences over equal intervals
- Equal factors over equal intervals
- Neither
- B. Be prepared to describe the pattern of change and to tell how you found it.



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1.

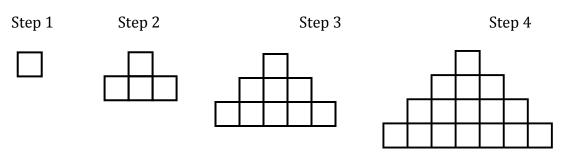
x	f(x)
-30	-57
-25	-47
-20	-37
-15	-27
-10	-17
-5	-7
0	3

Type of pattern of change
How I found the pattern of change:

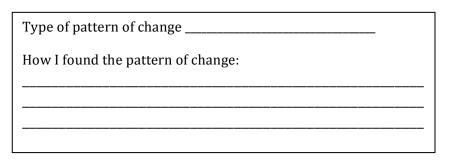
2.

$$f(0) = -3, f(n+1) = \frac{5}{3}f(n)$$

Type of pattern of change
How I found the pattern of change:



3. The pattern of change in the perimeter of the figures from one step to the next.



4. The pattern of change in the area of the figures from one step to the next.

Type of pattern of change
How I found the pattern of change:

5. y = ax - 3

Type of pattern of change _____

How I found the pattern of change:

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6.

x	f(x)
-10	7
-5	7
-0	7
5	7
10	7
15	7
20	7

Type of pattern of change	
How I found the pattern of change:	

7. The height from the ground of a person on a ferris wheel that is rotating at a constant speed.

Type of pattern of change	
How I found the pattern of change:	

8. y = x

Type of pattern of change	
How I found the pattern of change:	

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9.

x	f(x)
0	-5
4	-2
-4	-8
8	1
-8	-11

Type of pattern of change	
How I found the pattern of change:	

10. The algae population in a pond increases by 3% each year until it depletes its food supply and then maintains a constant population.

Type of pattern of change
How I found the pattern of change:

11.

x	f(x)
-5	238
-4	76
-3	22
-2	4
-1	-2
0	-4

Type of pattern of change	
How I found the pattern of change:	

12. The change in the height of the ball from one bounce to the next if the ball is dropped from a height of 8 feet and the ball bounces to 80% of its previous height with each bounce.

Type of pattern of change	
How I found the pattern of change:	

.....

13.

X	у
3	-5
3	-10
3	-20
3	15
3	35
3	50

Type of pattern of change
How I found the pattern of change: