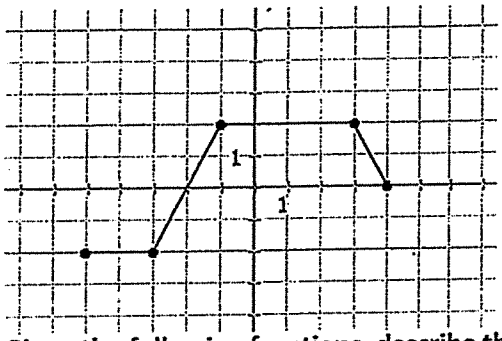
Name: _____ Hour: _____ Date: _____

Transforming Arbitrary Functions Practice I

The following graph is the parent function *f(x)*. Create a table of values to find points which represent this parent function.



x	y

Transfer this table to the back side, lower right corner for 3-6.

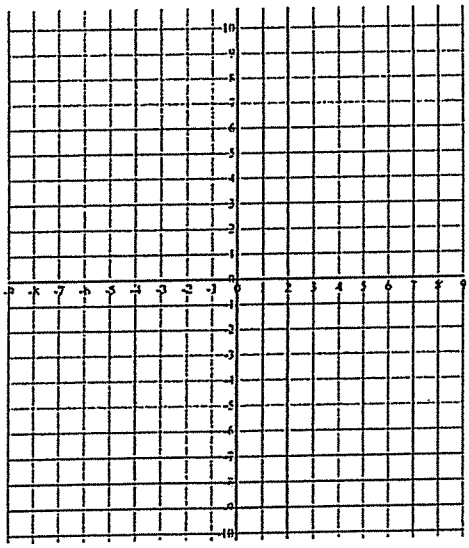
a) b)

Given the following functions, describe the transformations occurring from *f(x)*. Then make a new table of values representing the transformed points and sketch the graph of the new function.

c)

1) $f(x) \rightarrow f(x) + 2$

c)

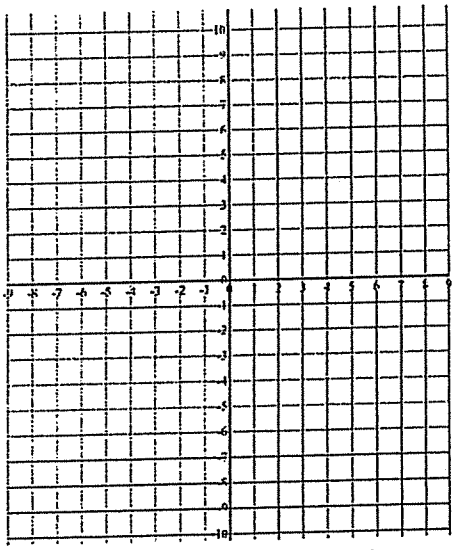


a) Describe Transformations

b)

2) $f(x) \rightarrow f(x + 2)$

c)



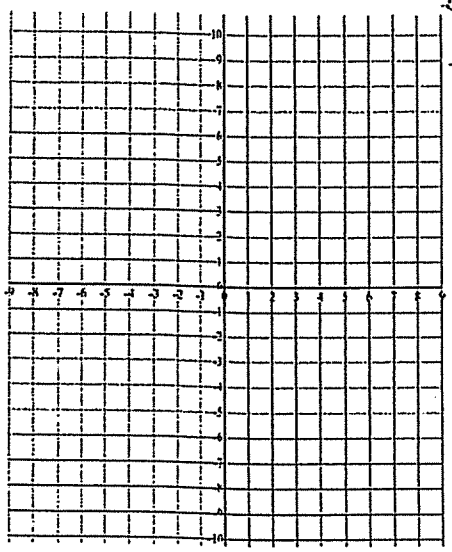
a) Describe Transformations

b)

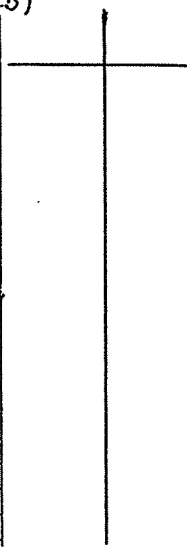
a) Describe Transformations:

3) $f(x) \rightarrow f(x+2)-1$

c)



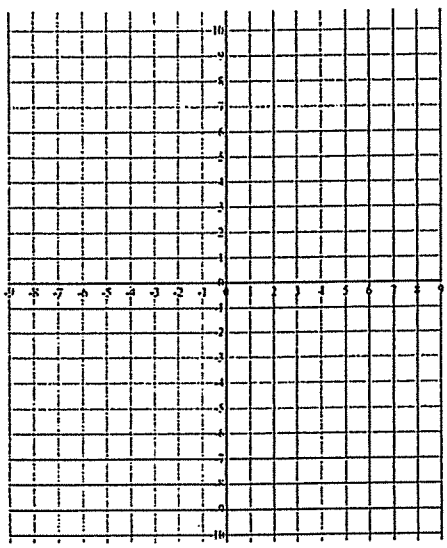
b)



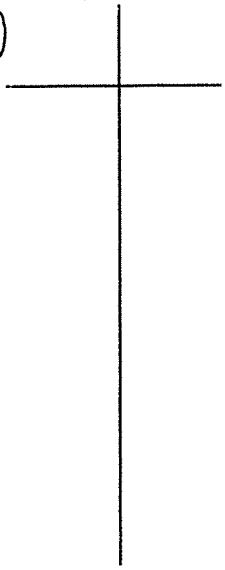
a) Describe Transformations

4) $f(x) \rightarrow f(x-1)-3$

c)



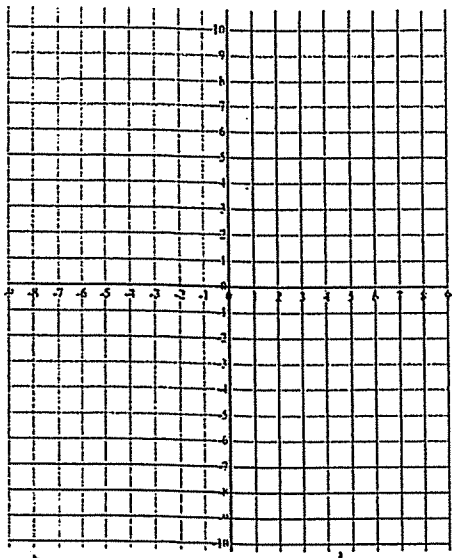
b)



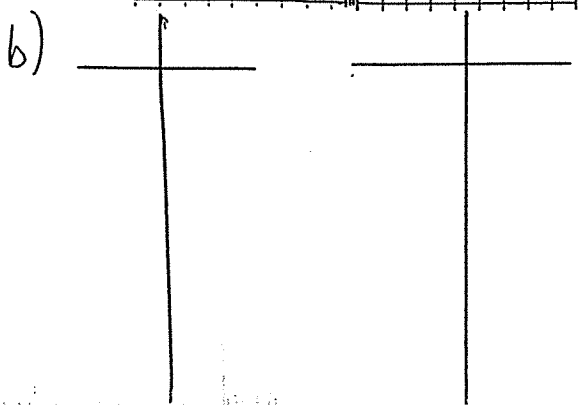
a) Describe Transformations

5) $f(x) \rightarrow 2f(x-3)$

c)



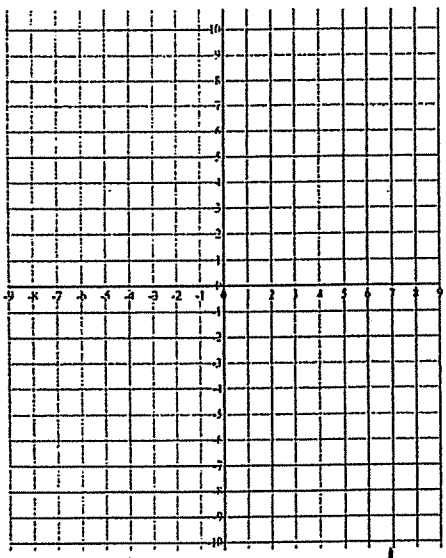
b)



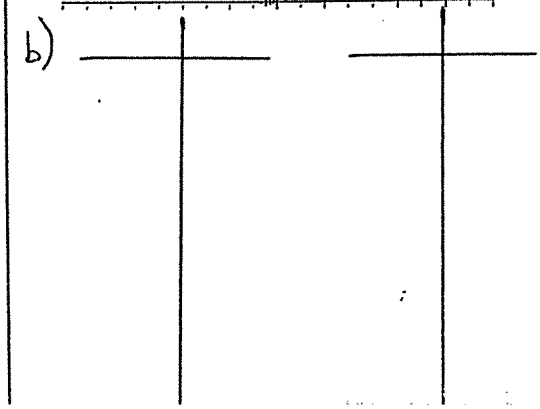
a) Describe transformations

6) $f(x) \rightarrow -f(x)+2$

c)



b)



Parent Table	
x	