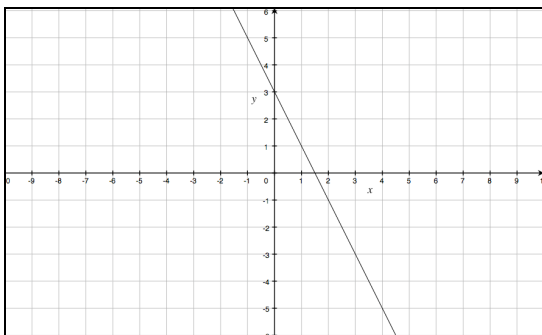


Precalc Warm Up – 8/24/10

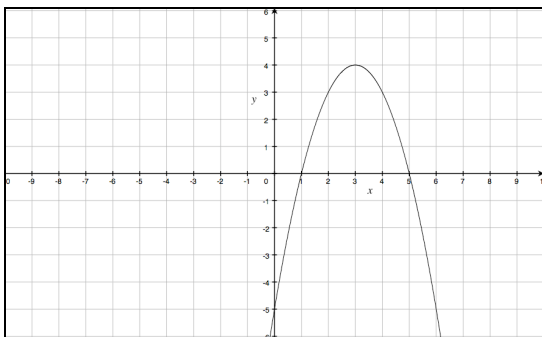
Name: _____

Block: _____

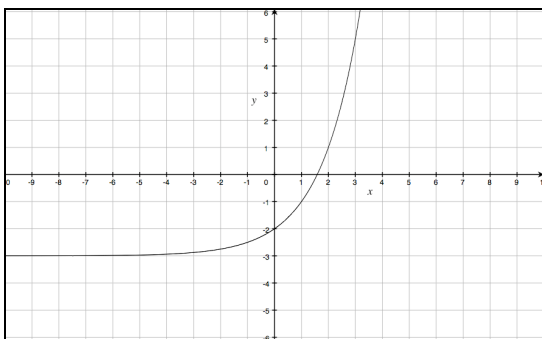
1) Label the following functions as strictly increasing, strictly decreasing or neither.



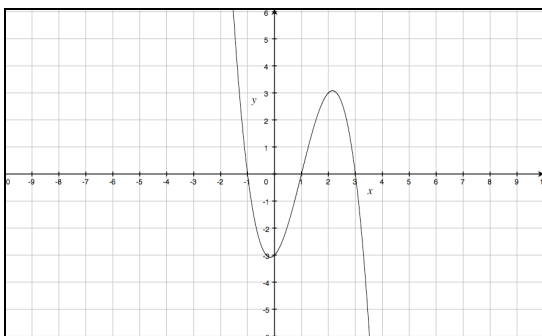
1) _____



2) _____



3) _____



4) _____

INCREASING / DECREASING by TABLE

SKILL BUILDER

Name: _____ Date: _____ Period: _____

Skill – Students will be able to determine if a function is increasing, decreasing or neither from a tabular representation.

Definitions:

Increasing –

Decreasing –

Example 1

x	$f(x)$
-1	-1
0	1
1	3
2	5
3	7

Example 2

x	$f(x)$
-1	7
0	2
1	-3
2	-8
3	-13

Example 3

x	$f(x)$
-1	1
0	3
1	5
2	3
3	1

How do you determine if a function is increasing or decreasing using a table?

x	$f(x)$
12	9
13	13
14	18
15	24
16	33

x	$f(x)$
0	1
1	2
2	4
3	8
4	16

x	$f(x)$
-8	-16
-7	-14
-6	-12
-5	-10
-4	-8

x	$f(x)$
-3	9
-2	4
-1	1
0	0
1	1

x	$f(x)$
2	7
3	12
4	11
5	16
6	15

x	$f(x)$
-2	-8
-1	-1
0	0
1	1
2	8

Skill Practice

Part I Directions - Fill in the tables to create increasing functions, decreasing functions and functions that are neither.

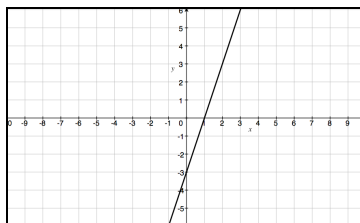
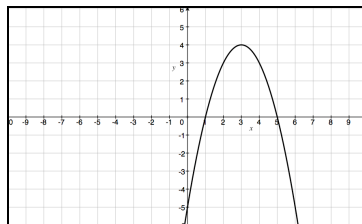
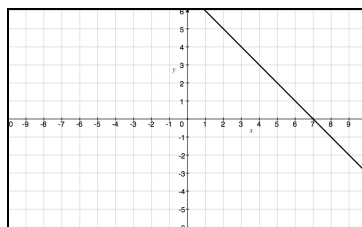
INCREASING	
x	$f(x)$

DECREASING	
x	$f(x)$

NEITHER	
x	$f(x)$

Part II Directions – Match the table to the proper graph (Draw a line).

x	$f(x)$
1	0
2	3
3	0
4	3
5	0



Precalc – Exit Slip – 8/24/10

Name: _____

Block: _____

- 1) State whether the function represented by the table below is strictly increasing, strictly decreasing or neither.

x	$f(x)$
-2	-11
-1	-7
0	-3
1	1
2	5

- 2) Fill in the missing value for the table below to make $g(x)$ a function that is neither strictly increasing nor decreasing.

x	$f(x)$
-2	4
-1	2
0	
1	-2
2	-4