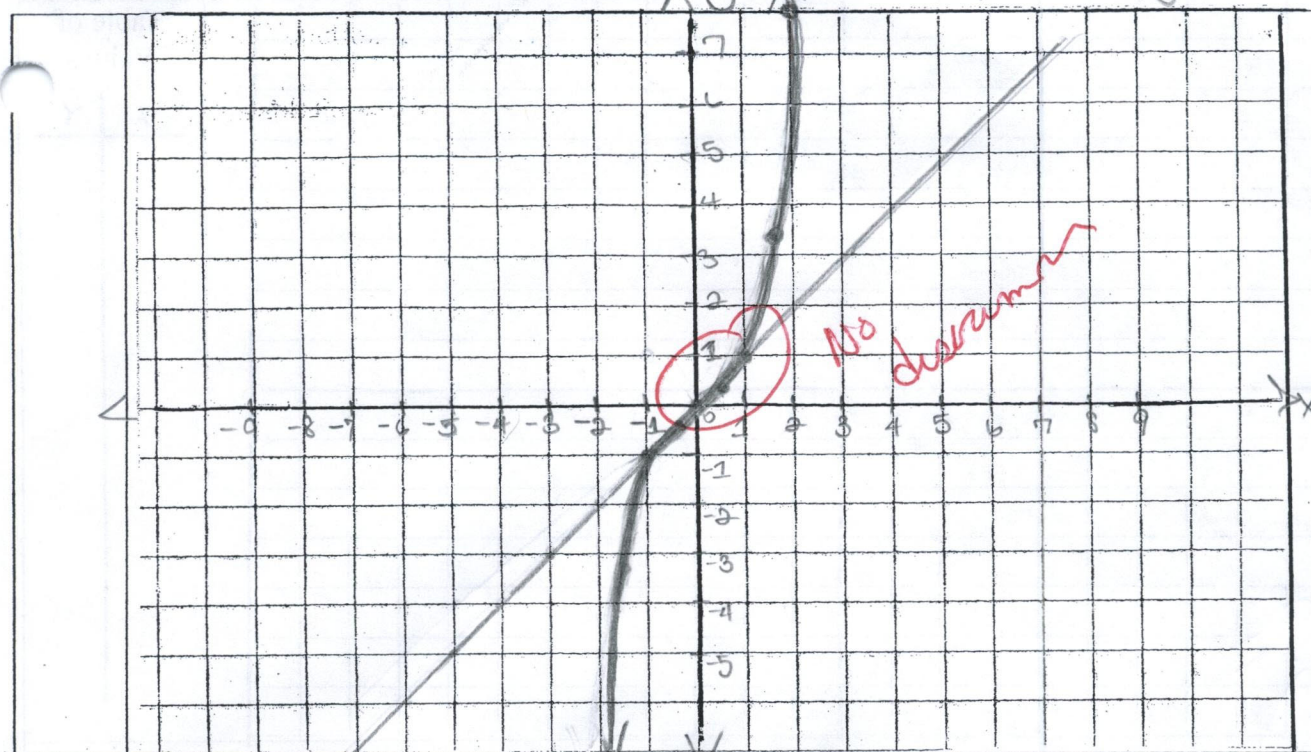


Function: $y = x^3$

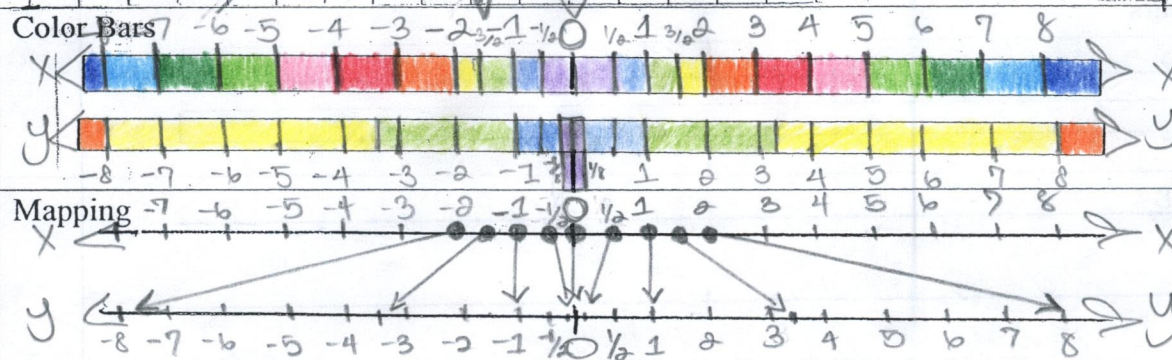
Domain

Period 6
#1 — 95
Carpio, Joely

February 3, 2009
Homework #8
Buddy: Jazmin H.



X	Y
-2	-8
-3/2	-27/8
-1	-1
-1/2	-1/8
0	0
1/2	1/8
1	1
3/2	27/8
2	8



	Interval	Absolute Value	Name
Domain	$(-\infty, +\infty)$	—	all real numbers
Range	$(-\infty, +\infty)$	—	all real numbers
Roots (List)	—	—	0 - zero
y-Intercept	—	—	0 - zero.
Symmetries	y-axis	$y=x$	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$
	None		

Assymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	$\lim_{x \rightarrow -\infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)

Function:

$$f(x) = x^3$$

Scale X

Hernandez, Jaelin
February 13, 2009
Assignment #10
Bobby: Jody Corpio

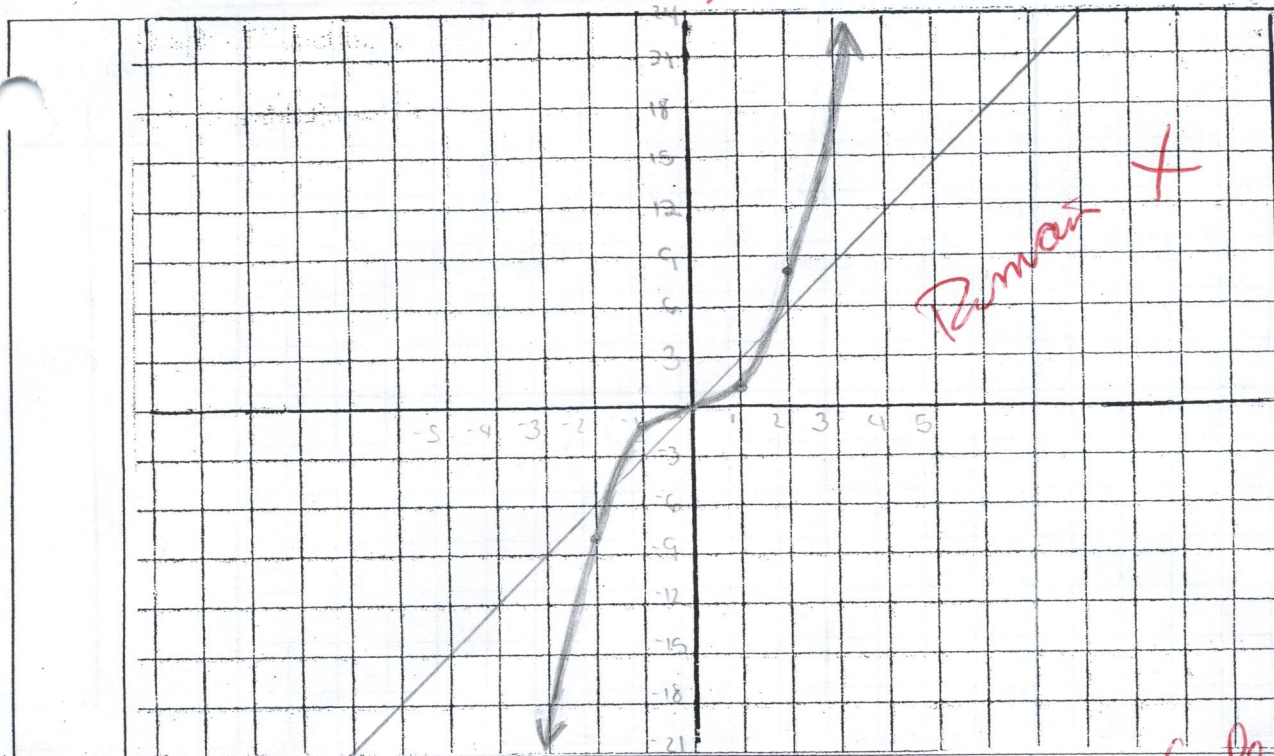


Table of Values

x	y
1	+1
-1	-1
2	8
-2	-8
3	27
-3	-27

Color Bars

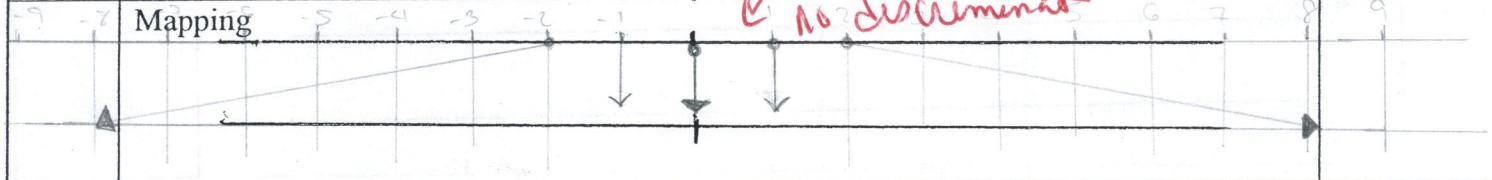


No Scale

Mapping



No Discontinuity



	Interval	Absolute Value	Name
Domain	$(-\infty, \infty)$	$ x < \infty$	$\mathbb{R}$ all real
Range	$(-\infty, \infty)$	$ y < \infty$	$\mathbb{R}$ all real
Roots (List)			0 - zero
y-Intercept			0 - zero
Symmetries	y-axis no	y=x no	origin yes
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Assymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)

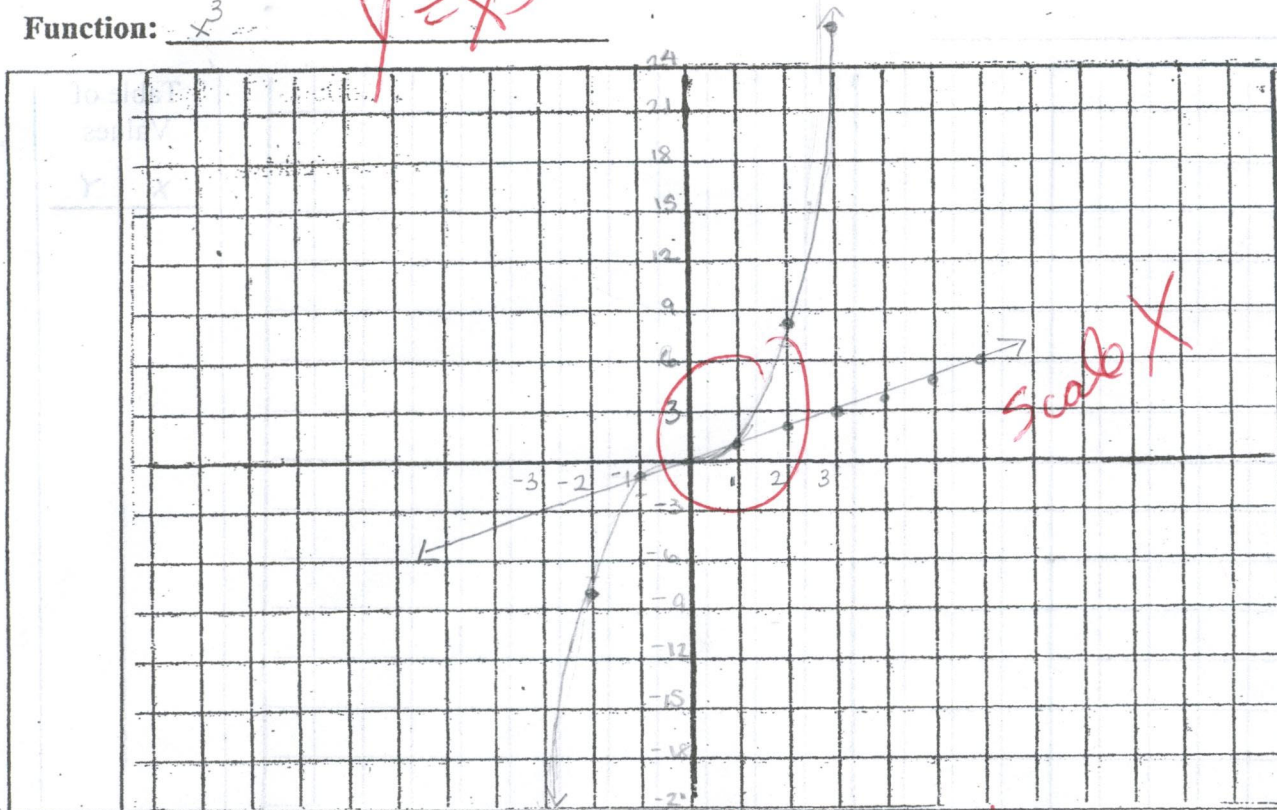
Function: x^3

$y = x^3$

6
Quintana Jessica
2/3/09
Assign:
Buddy: Elise Kesa

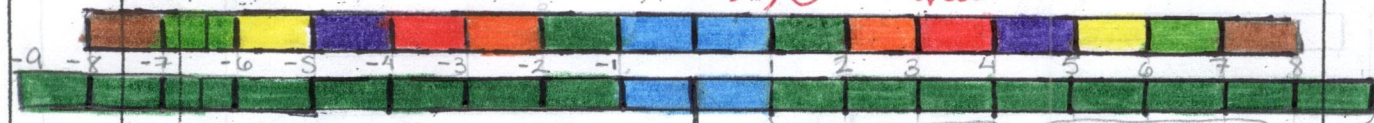
Table of Values

x	y
1	1
-1	-1
2	8
-2	-8
-3	-27
3	27

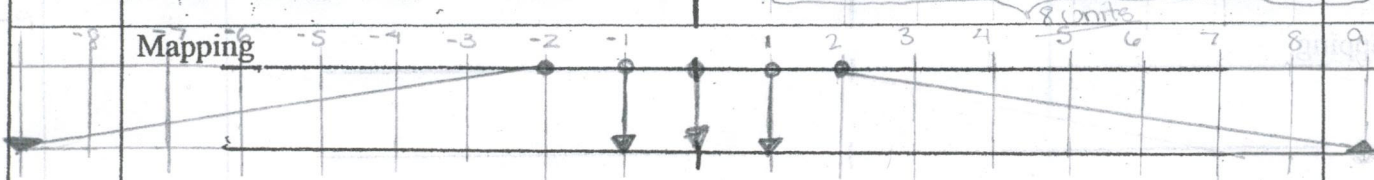


Color Bars

Discriminator



Mapping



	Interval	Absolute Value	Name
Domain	$(-\infty, \infty)$	$ x < \infty$	R-All Real
Range	$(-\infty, \infty)$	$ y < \infty$	R-All Real
Roots (List)			0-zero
y-Intercept			0-zero
Symmetries	y-axis	y=x	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Assymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)
-------------	---	--	-----------------------------

Function:

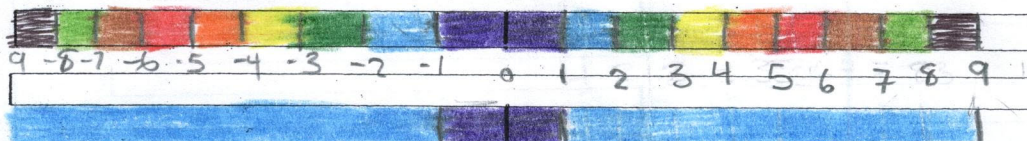
$$y = x^3$$

mesa, Elise
2/3/09
Quintana, Jess

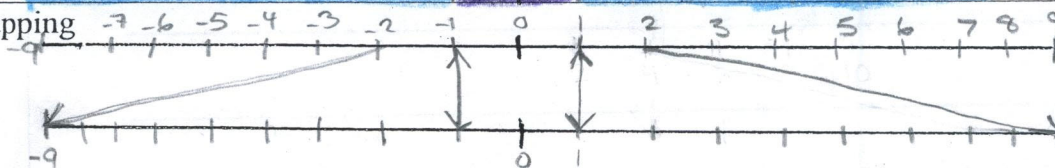
Table of Values

x	y
1	1
-1	-1
2	8
-2	-8
0	0

Color Bars



Mapping



	Interval	Absolute Value	Name
Domain	$(-\infty, \infty)$		all real numbers
Range	$(-\infty, \infty)$		all real numbers
Roots (List)			0
y-Intercept			0
Symmetries	y-axis	y=x	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Asymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	$\lim_{x \rightarrow \infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)

Function: $|x|$

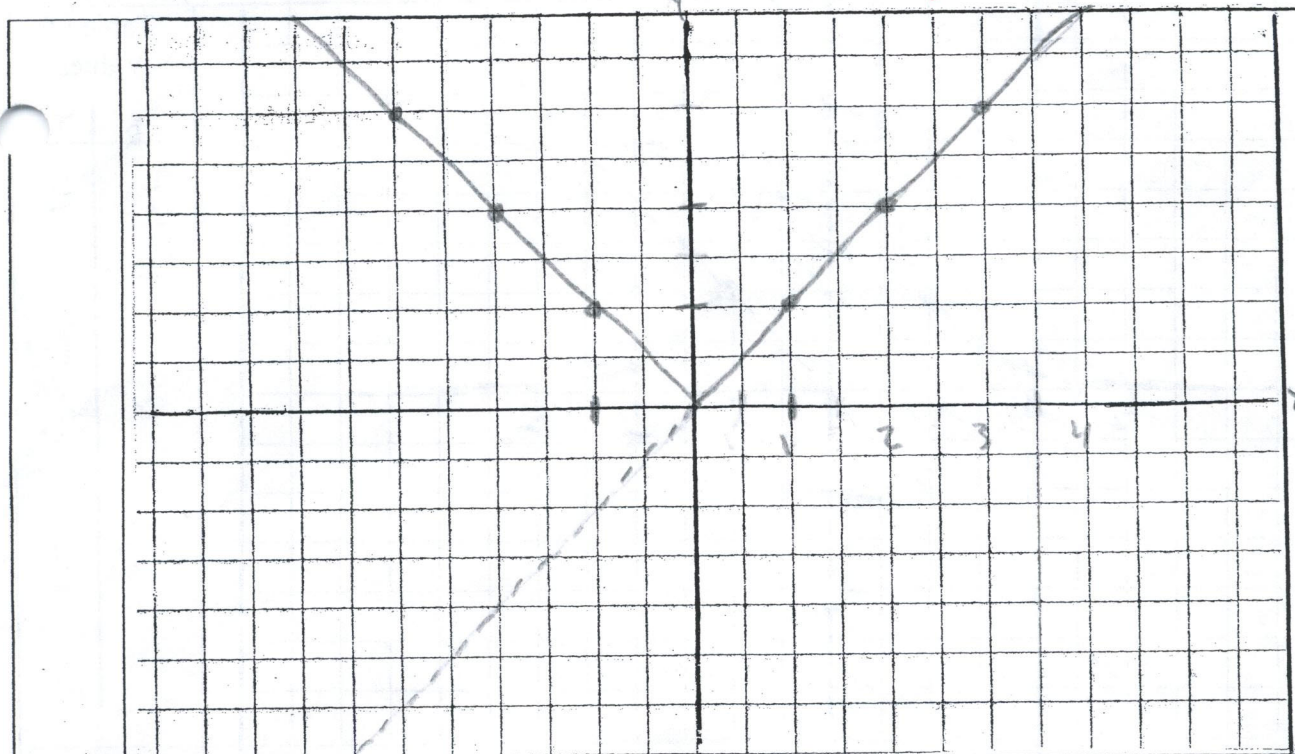


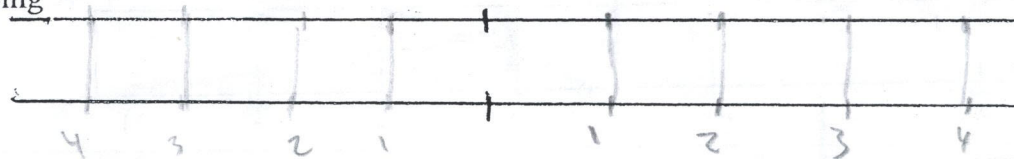
Table of Values

x	y
1	1
2	2
3	3
4	4
-1	1
-2	2
-3	3
-4	4

Color Bars



Mapping



	Interval	Absolute Value	Name
Domain	$(-\infty, \infty)$		All real
Range	$(0, \infty)$		all non negative
Roots (List)			
y-Intercept	$(0, 0)$		origin
Symmetries	y-axis	$y=x$	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

symptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	$\lim_{x \rightarrow -\infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)
	?	?	?	?

Function:

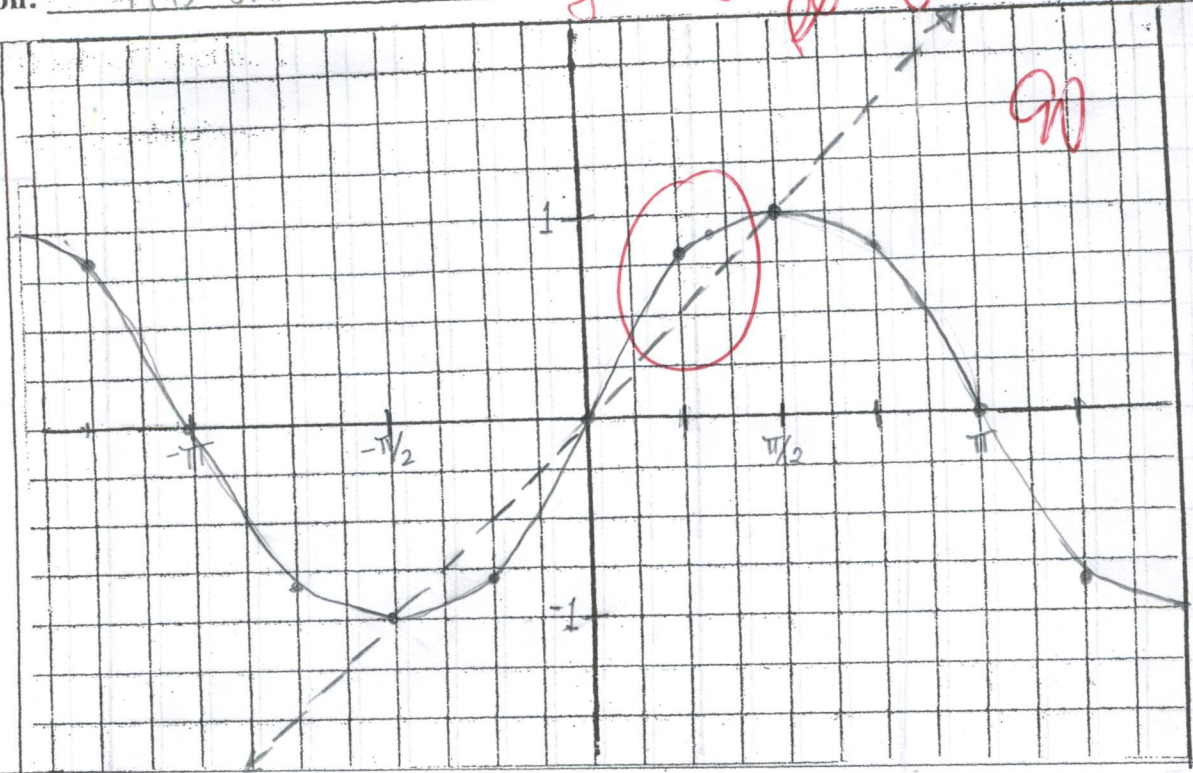
$f(x) = \sin x$

these are semi circles not 5/4

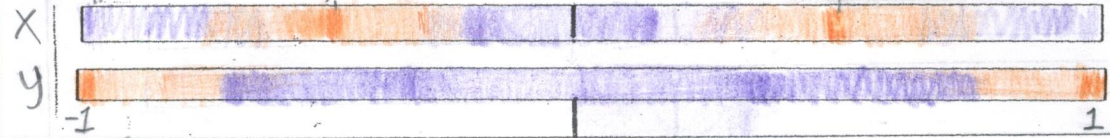
CARR, ABBY
2/3/09

Table of Values
EQUATION

x	y
0	0
$\pi/2$	1
$\pi/4$	$\sqrt{2}/2$
$\pi/6$	$1/2$
$\pi/3$	$\sqrt{3}/2$
$-\pi/4$	$-\sqrt{2}/2$
$-\pi/2$	-1
π	0
$-\pi$	0
$5\pi/4$	-0.70

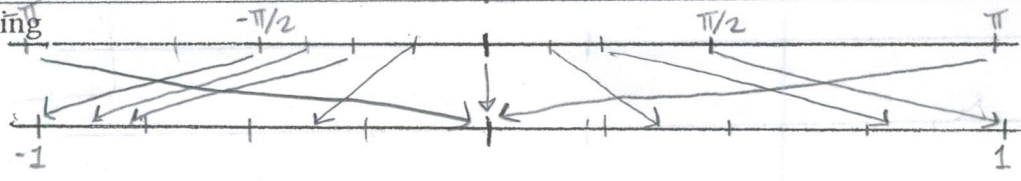


Color Bars



more colors

Mapping



	Interval	Absolute Value	Name
Domain	∞		$\mathbb{R}$
Range	$[-1, 1]$		
Roots (List)	$-\pi, 0, \pi$		
y-Intercept	0		
Symmetries	y-axis	y=x	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Asymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)
	?	?	?

Function:

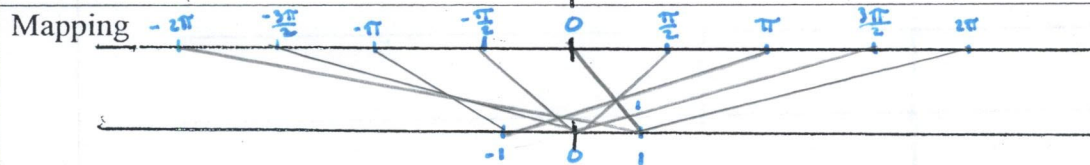
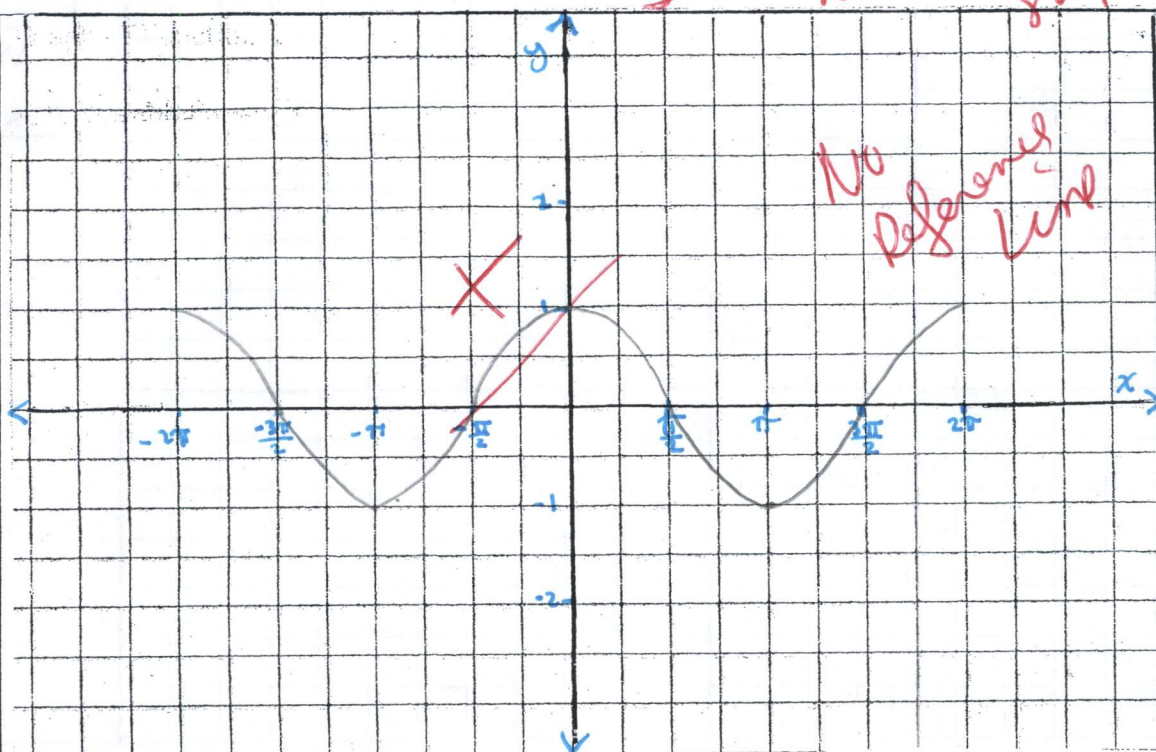
$f(x) = \cos(x)$

these are
Semi circles
not sine
graph

La Rosa, Linnet
Buddy: Quiñones
12-2-09

Table of Values

x	y
-2π	1
$-\frac{3\pi}{2}$	0
$-\pi$	-1
$-\frac{\pi}{2}$	0
0	1
$\frac{\pi}{2}$	0
π	-1
$\frac{3\pi}{2}$	0
2π	1



	Interval	Absolute Value	Name
Domain	$(-\infty, \infty)$	$ x > \infty$	$\mathbb{R}$
Range	$(0, \infty)$	—	non-negative
Roots (List)	$-\frac{3\pi}{2}, -\frac{\pi}{2}, \frac{\pi}{2}, \frac{3\pi}{2}$	—	—
y-Intercept	1	—	—
Symmetries	y-axis	$y=x$	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period = 2π	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Asymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	$\lim_{x \rightarrow -\infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)

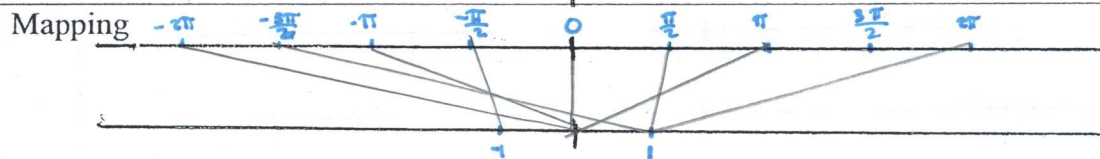
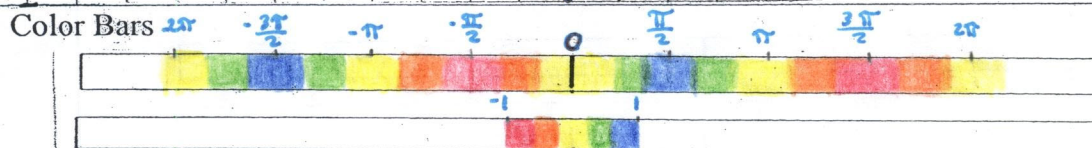
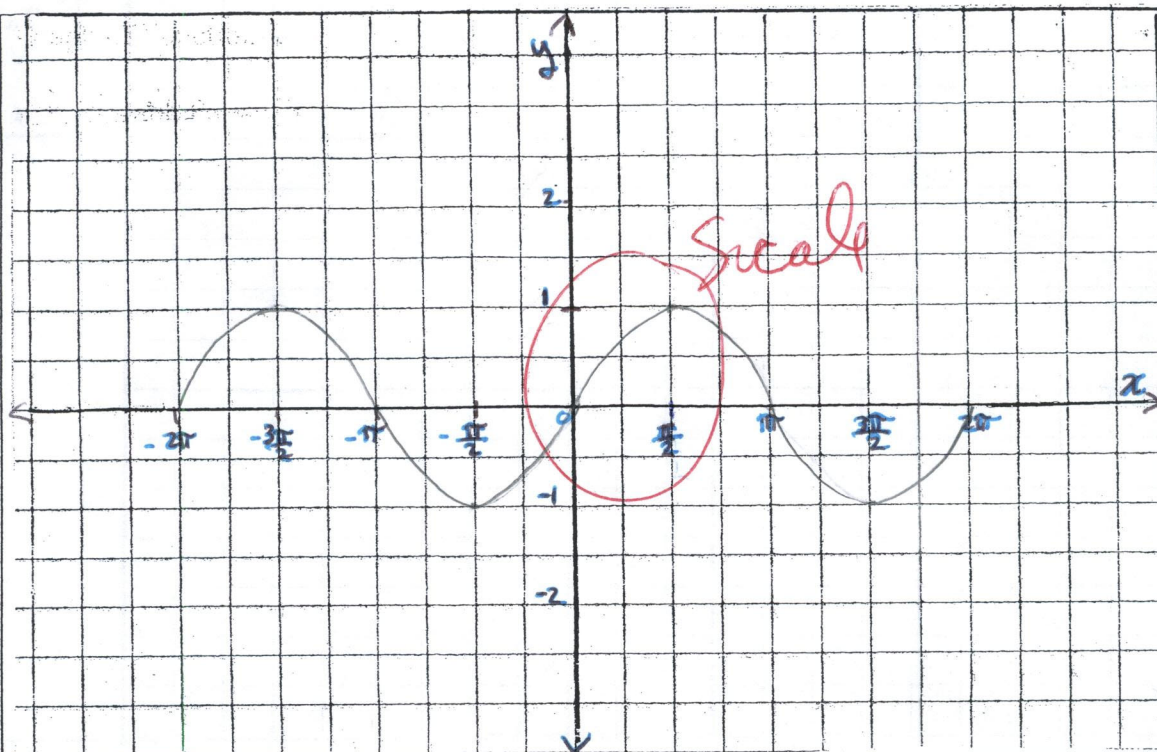
Function:

$$f(x) = \sin(x)$$

#6
La Rosy Linnet
Buddy: Quinones, S
2-3-09

Table of Values

x	y
-2π	0
$-\frac{3\pi}{2}$	1
$-\pi$	0
$-\frac{\pi}{2}$	-1
0	0
$\frac{\pi}{2}$	1
π	0
$\frac{3\pi}{2}$	-1
2π	0



	Interval	Absolute Value	Name
Domain	$(-\infty, \infty)$	$ x > x$	$\mathbb{R}$
Range	$(-1, 1)$	N/A	—
Roots (List)	$-2\pi, -\pi, 0, \pi, 2\pi$		—
y-Intercept	0		
Symmetries ?	y-axis	y=x	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes, Period = 2π	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Asymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	$\lim_{x \rightarrow -\infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)

Function:

$$f(x) = \frac{1}{x^2}$$

Cueto, Jose
February 2, 2009
Buddy: Jose A

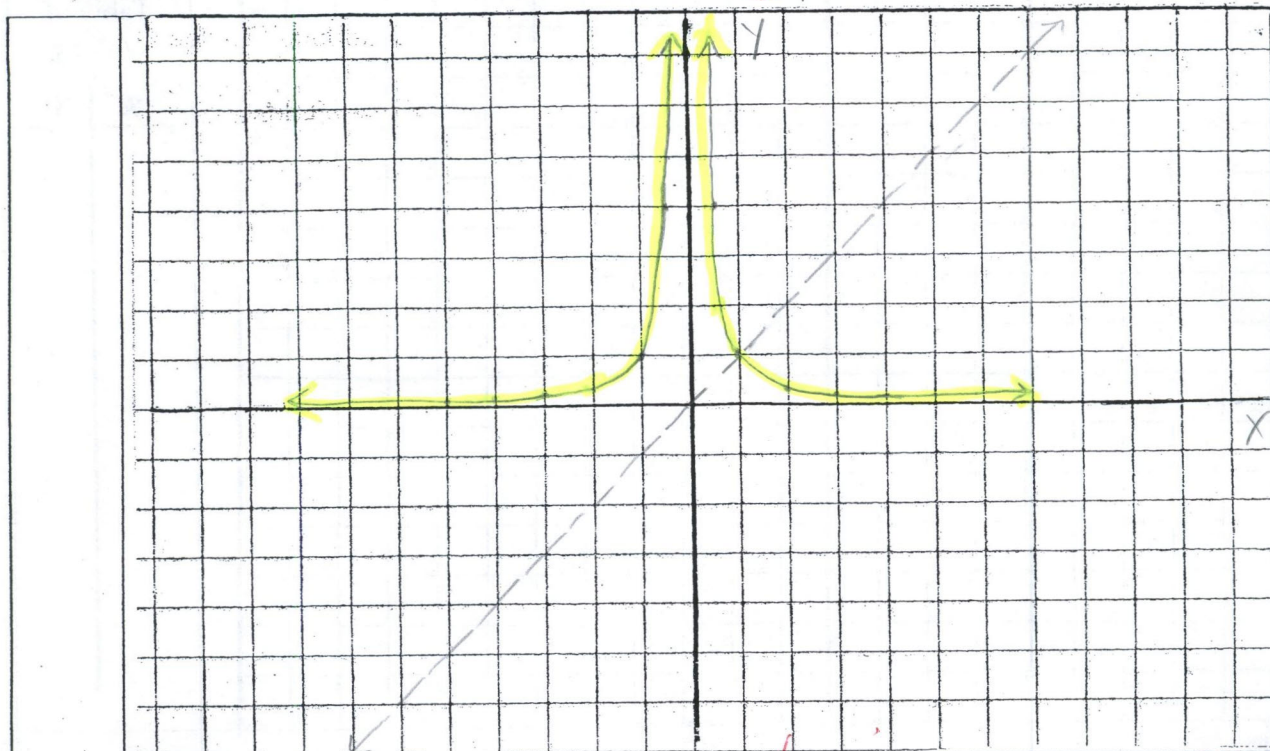


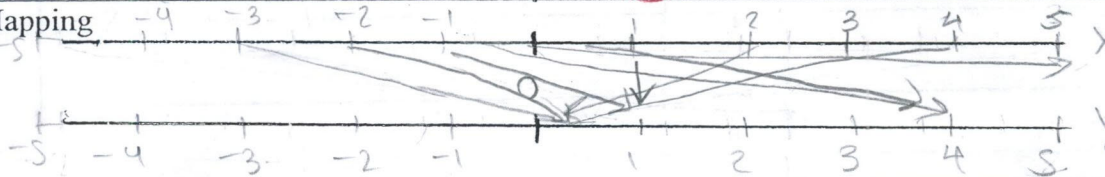
Table of Values

x	y
-5	0.04
-4	0.0625
-3	0.111
-2	0.25
-1	1
0	undefined
1	1
2	0.25
3	0.111
4	0.0625
5	0.04
-0.5	4

Color Bars



Mapping



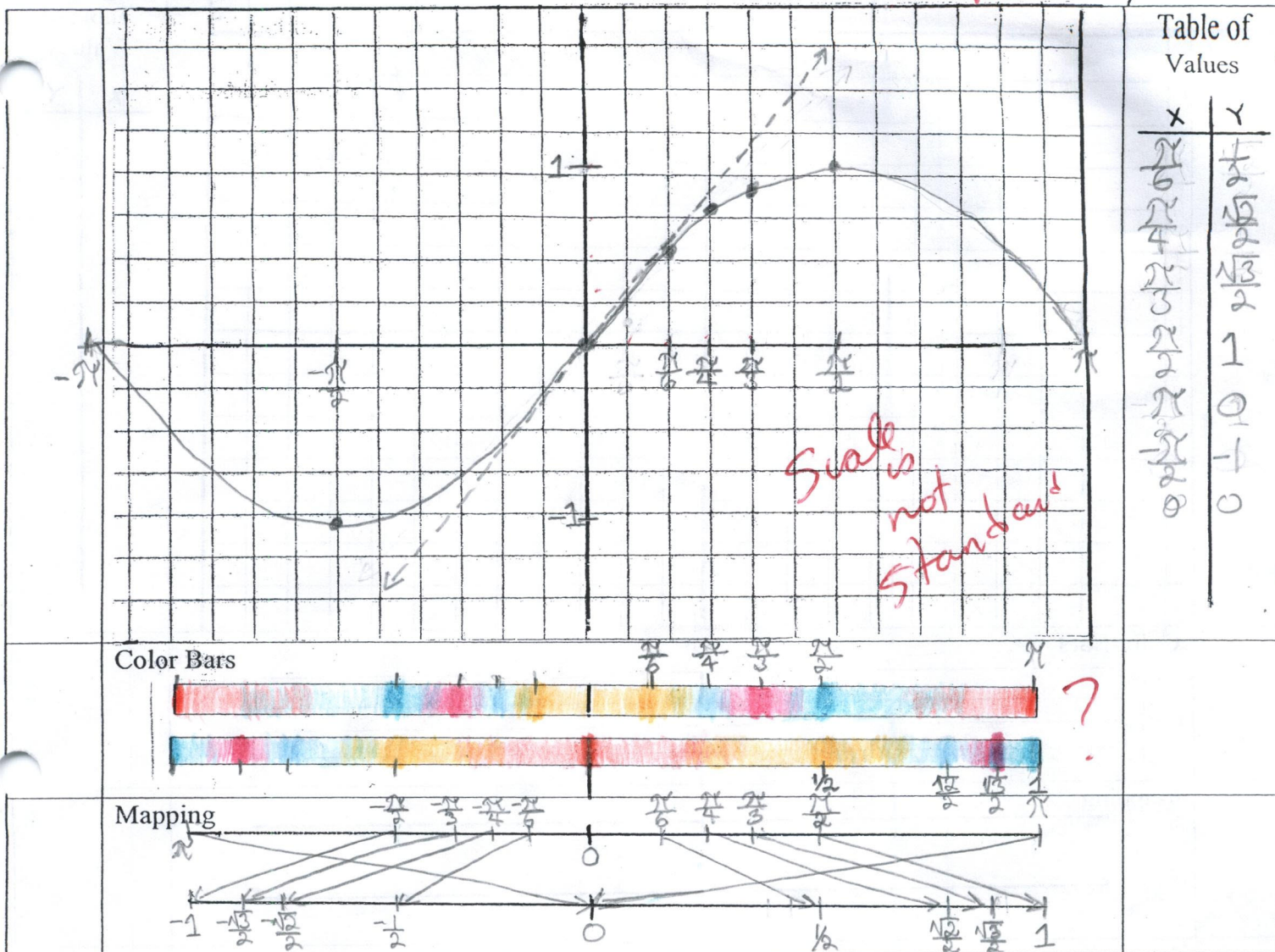
It is not clear what x is

	Interval	Absolute Value	Name
Domain	$(-\infty, 0) \cup (0, \infty)$	$ x > 0$	All real $x \neq 0$
Range	$(0, \infty)$		All non negative
Roots (List)	None		
y-Intercept	never		never
Symmetries	y-axis	$y=x$	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	No	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Asymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	$\lim_{x \rightarrow -\infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)

Function: $f = \sin(x)$

Name: _____



	Interval	Absolute Value	Name
Domain	$(-\infty, \infty)$	$ x \leq +\infty$	$\mathbb{R}$
Range	$[-1, 1]$	$ y \leq 1$	$-1 \leq \mathbb{R} \leq 1$
Roots (List)	$\pi \cdot n \quad n \rightarrow \mathbb{W}$		
y-Intercept	0		
Symmetries	y-axis	y=x	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Asymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	$\lim_{x \rightarrow -\infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)
none	$x \rightarrow \infty$	$x \rightarrow -\infty$	$a \rightarrow 1$	$f = \sin(x)$

Function: x^2

#38
Quinones, Sunamy
2/29/09
Assistant #5 buddy

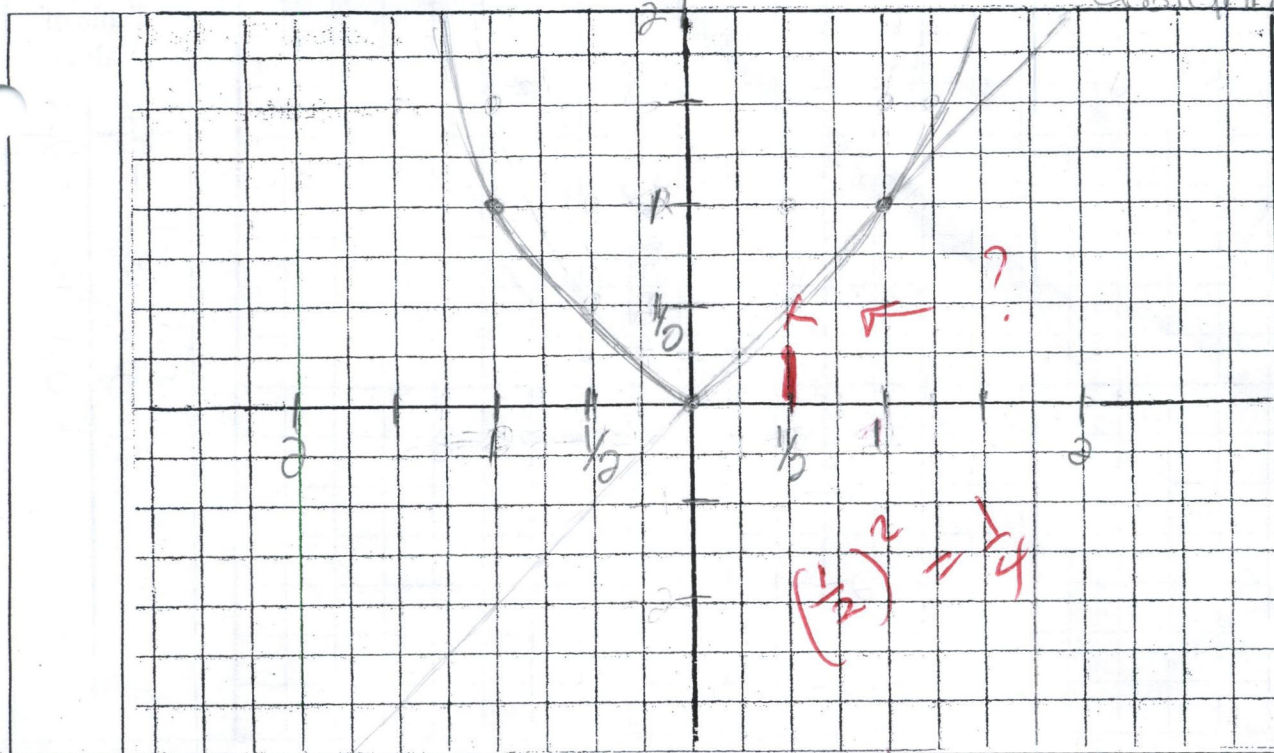


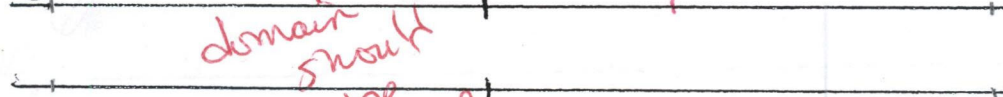
Table of Values

x	y
0	0
1	1
2	4
3	9
4	16
5	25
-1	1
-2	4
-3	9

Color Bars



Mapping



domain should be regular

	Interval	Absolute Value	Name
Domain	$(-\infty, \infty)$	$ x \geq 0$	
Range	$[0, \infty)$	$y \geq 0$	nonnegatives
Roots (List)	0	(0, 0)	
y-Intercept			
Symmetries	y-axis	$y=x$	origin
Even	$f(-x) = f(x)$	Yes	No
Odd	$f(x) = -f(-x)$	Yes	No
Periodic?	No	Yes: Period =	
One-to-One	No	Yes	
Onto	No	Yes	
Discontinuities	Removable	Undefined	$\pm\infty$

Asymptotes	Horizontal i.e. $\lim_{x \rightarrow \infty} f(x)$	$\lim_{x \rightarrow \infty} f(x)$	Vertical $\lim_{x \rightarrow a} f(x)$ (find a)	Oblique (write equation)