Neamani, Simpson

Teacher's Name: Ms. Gasser

Algebra 1, \_\_\_\_c\_\_ Band

Algebra 1, Quarter 3 Benchmark: Make Your Own Design!

# Introduction: For this project I will be graphing linear equation and stating the equation to

the lines

## Teacher's Name: Ms. Gasser

Algebra 1, \_\_\_\_c\_\_ Band

TOCHUH LA	wation of lines
last 4++ 20	
	Ines
lice 1 41-41 41=	MX15 (=-15)
(-5,-6) (11,14) x2-x.	
321 -1-	18ne 6 (11-20) (-9,-19)
M= -6-F1 = -10 = 1.252	(-11) C + C
5-110-6	2
y=1.25x +0.20	-11-(-9) -2
(1) (1) (1) (1) (1)	ac too too shirt
	(1=-0,->* ~0.3
the a Next-M-M-M- drak	10 - 7
(11-2) (5.9)	11ne 1 277)((-26)
X2 42 X 4	(3-2) (Le) 20 x2 (12 x) (1
	22-(-2(2) -1 02/5
	2-(0) -3
-(F-(-F))-C	2 120
-12:+3	(1=0.3x=20)
4= 10 A =	
(4-2x+33) .	ROED SOLSON STATE
	(1-2)(3,01 x2 (12 x )(1
1	
1905-22 (2-(1)	MEZ-0
x2 42 x 4	7-5 ~
-9-EL	-V (4=-1x+5)
m 8=3 5	
lineq	kne a
	(14,-7) (12,-3)
((*=5)	X2 42 × 4
	m=-7-(-2) 1 /
D 30-(4131 -15	14-12 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2
- 200 D - 200	
(-1	4=-2x+21

### Teacher's Name: Ms. Gasser



	2	
	~	
		lice10
		(6,15) (8,17)
		m=D-17==2=)
		6-18 - 2
		y=11+9)
		lincll
		(=23)
7		
A P		

# **Finding Equations of Lines**

1. Slope-intercept form

To graphing an equation in slope-intercept form on a coordinate plane you would find where the line goes through the y axis and when you see the point you will do rise/ run

#### Teacher's Name: Ms. Gasser

#### Algebra 1, \_\_\_\_c\_\_ Band

2. Point-slope form

[if a line graph is shown and you want to get its equation. You should first find its slope as a sample . the slope is then multiplied through and added to both sides ] [Explain the process for graphing an equation in point-slope form on a coordinate plane]

#### 3. Horizontal lines

[to find a horizontal line equation you look where the line crosses the y axis and then you would just put y = ? whatever it is (number wise) for graphing the horizontal line you

look where the line crosses the y axis

#### 4. Vertical lines

For vertical line you really dont do nothin you just find y or x but for vertical you're

always find x no matter what ]

For graphing a vertical line you will just be looking where the line crosses the x axis and

that would be your answer x = ?

5. Parallel lines

The relationship between them is that they are always equal no matter what

#### 6. Perpendicular lines

the relationship between the slope and y-intercept of perpendicular lines is that tey are the same equation but the number are just mixed up in some type of way

#### <u>Next is....</u>

## **Equations of lines**

Neamani, Simpson

Teacher's Name: Ms. Gasser

Algebra 1, \_\_\_\_c\_\_ Band

y=1.25x+0.25 y= 1.2x+3 y=-0.8x-1
y = -0.5x + 0.5
y=0.3x-28
y = -1x + 5
y=-2x+27 y=1x+9
[y=-15
y23]

# <u>Next is ...</u>



Neamani, Simpson

Teacher's Name: Ms. Gasser

Algebra 1, \_\_\_\_c\_\_ Band Reflection

Something that I did good throughout this whole process of my benchmark is the graphing part. I improve on this process by staying on top of all my stuff and having a good attitude throughout the process. Something else that I learned is to have a LOT of patience with is benchmark.